

FIG. 1

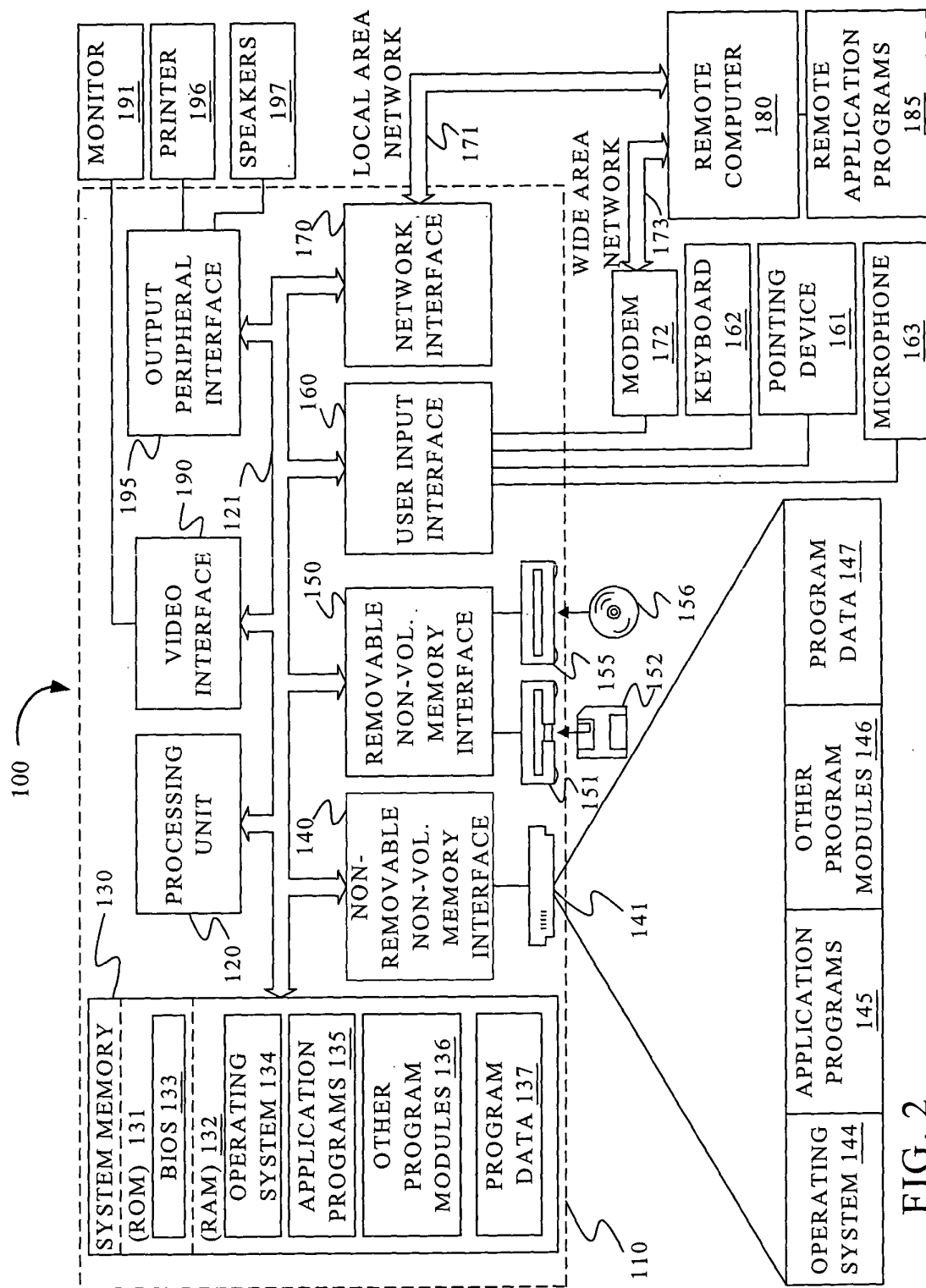


FIG. 2

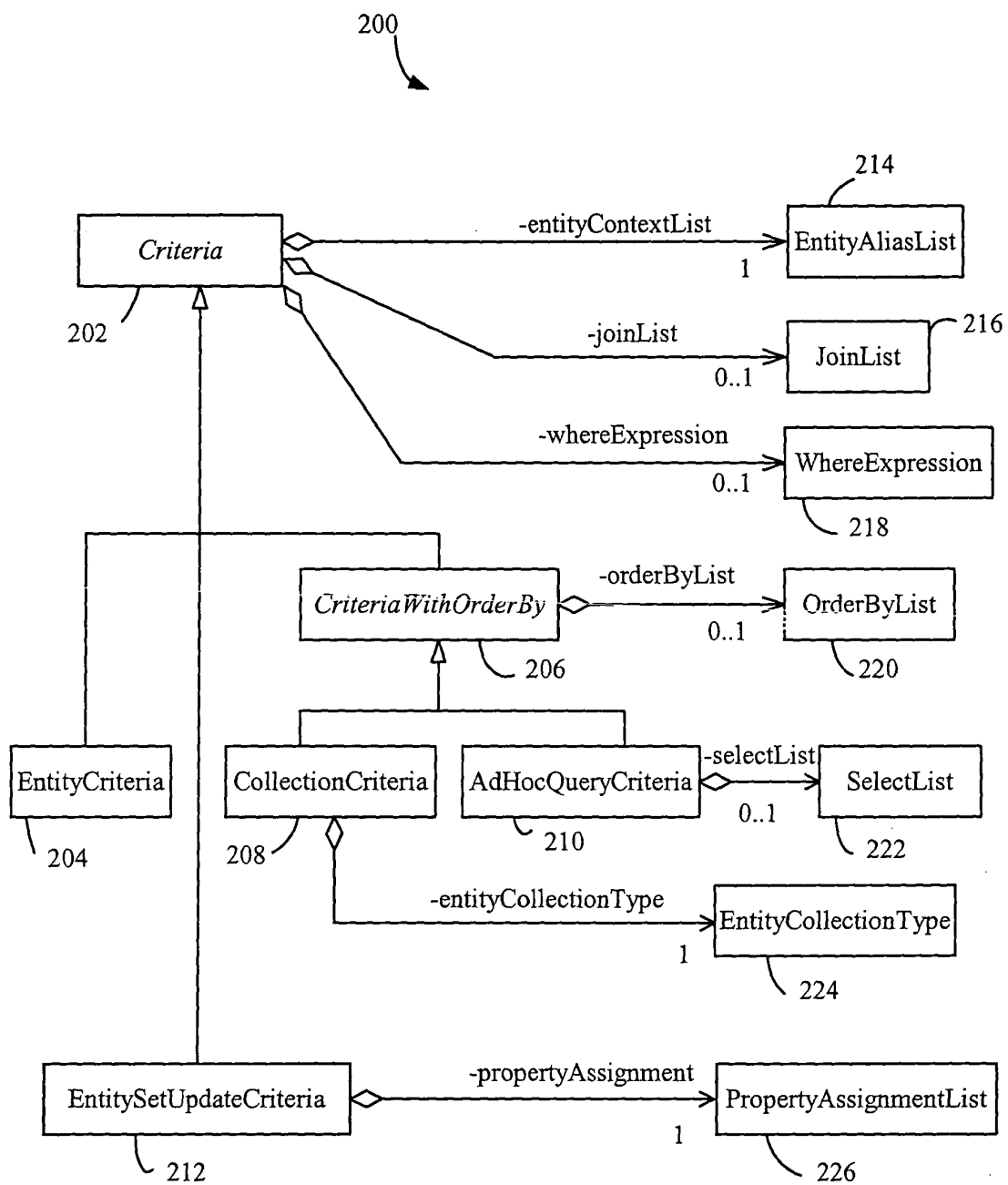


FIG. 3

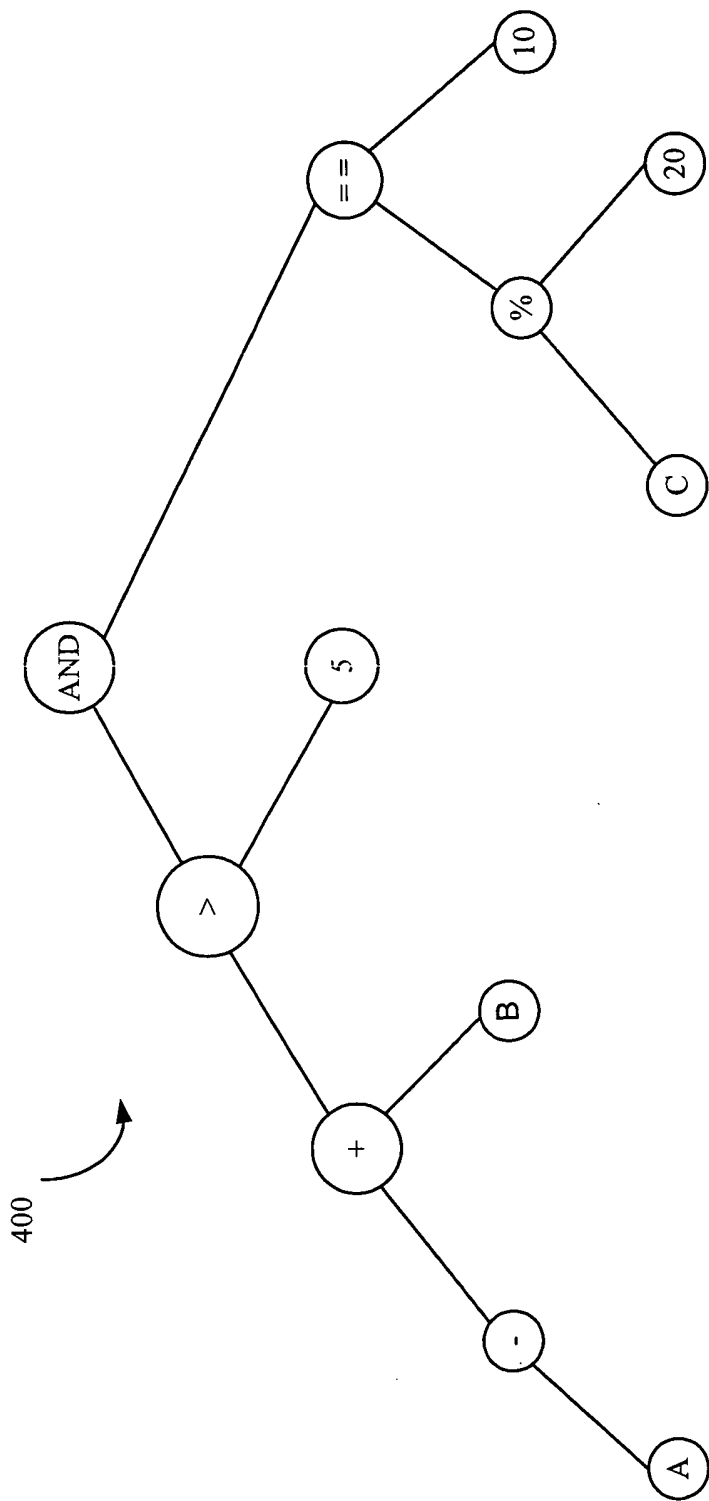


FIG. 4A

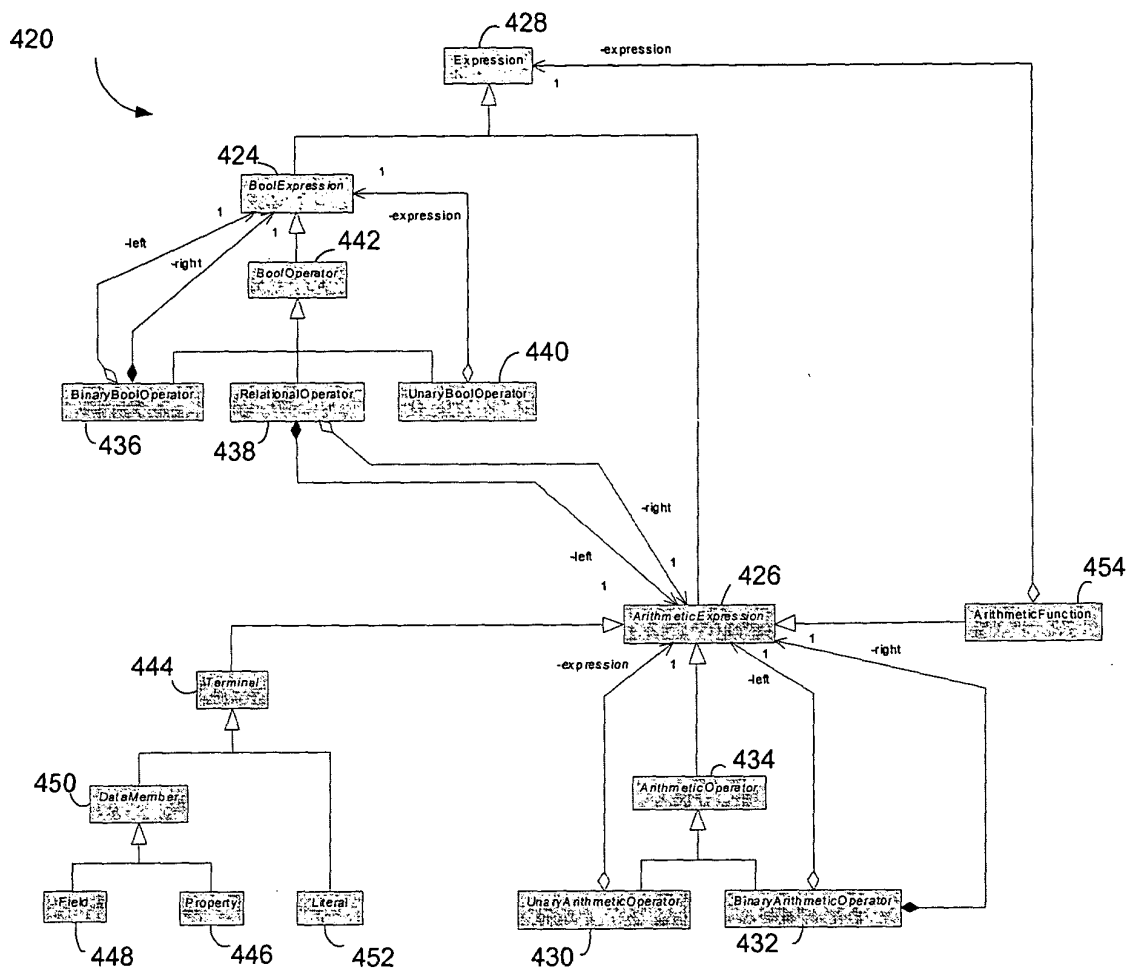


FIG. 4B

FIG. 4C

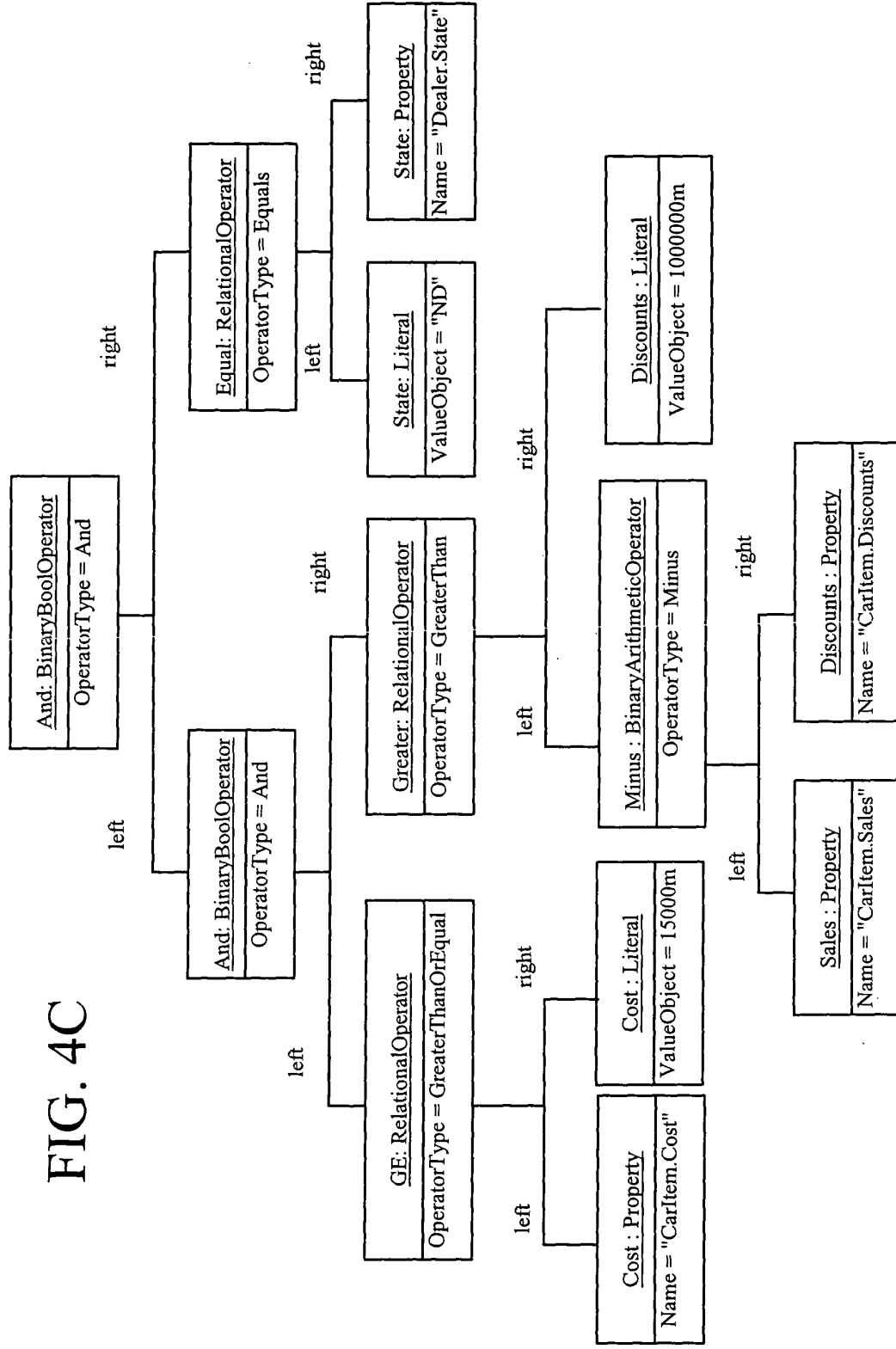
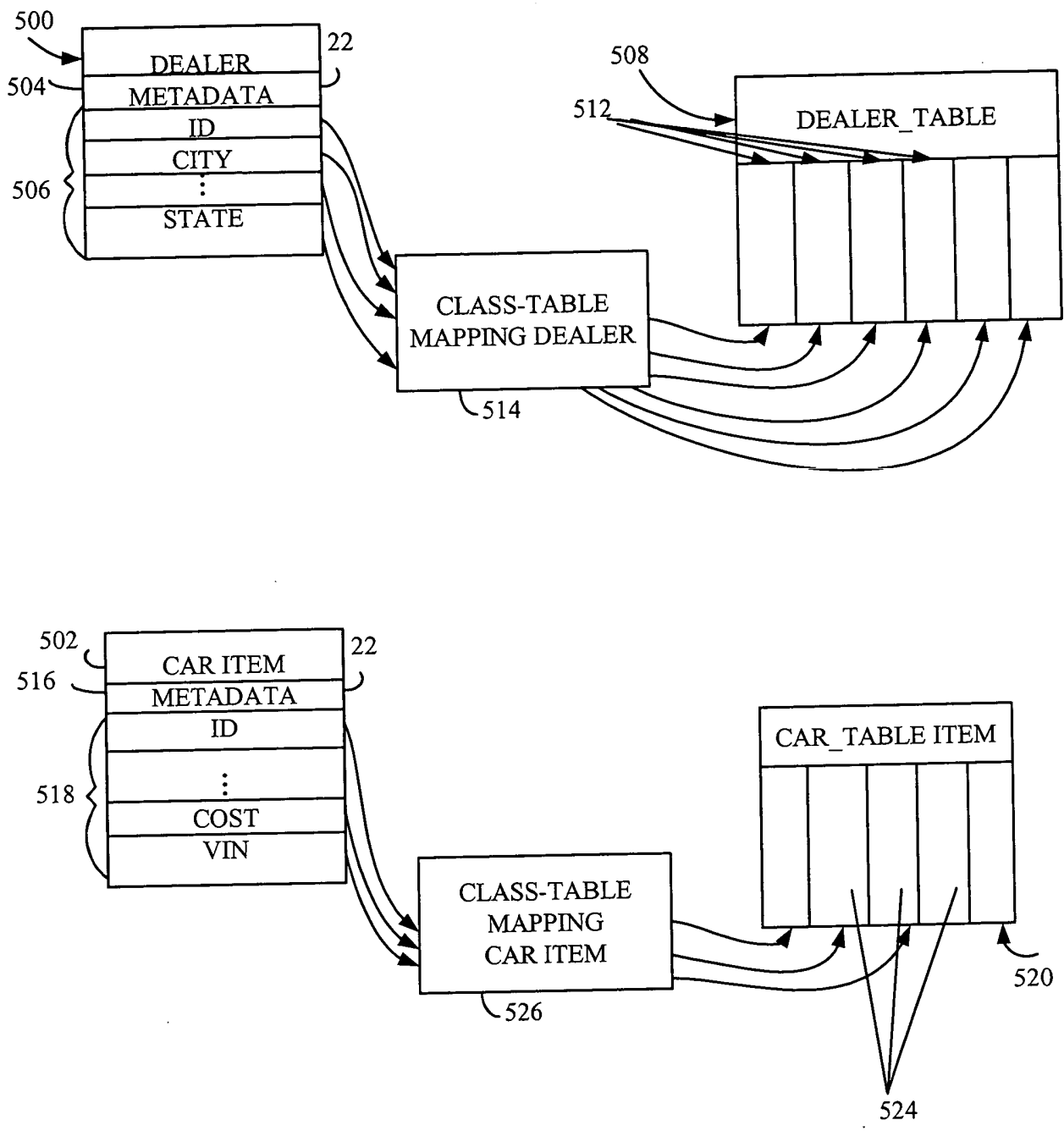


FIG. 5



```

class CarItem {          // these properties are mapped to a database table
    public string ID;
    public string Vin;
    public string Color;
    public decimal Cost;
    ... many others omitted ...
}

class Dealer {           // these properties are mapped to a different database table
    public string ID;
    public string City;
    public string State;
    ... many others omitted ...
}

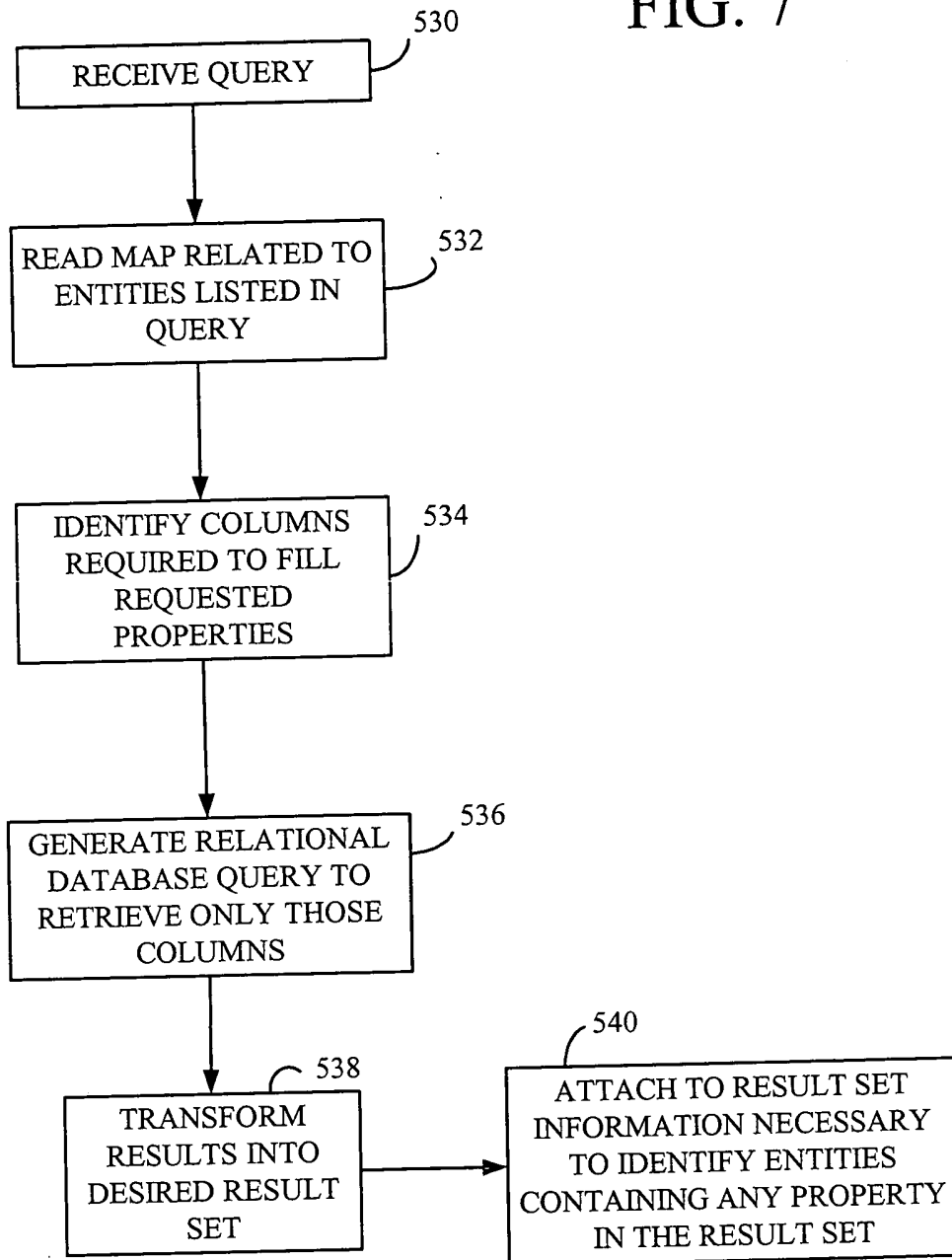
AdHocQueryCriteria adHocCriteria = Criteria.AdHocQueryCriteria(
    Criteria.EntityAliases( // describes the objects involved in the query
        Criteria.EntityAlias(itemParentKey, typeof(CarItem))
        Criteria.EntityAlias(dealerParentKey, typeof(Dealer)) ),
    Criteria.JoinList(
        /* entity to entity join */
        Criteria.InnerJoin("CarItem", "Dealer",
            (Property)"CarItem.DealerID" == (Property)"Dealer.ID")),
    Criteria.Select( // the specific properties to retrieve
        (Property)"CarItem.ID", // references the field in the above class
        (Property)"CarItem.Vin",
        (Property)"CarItem.Cost",
        (Property)"Dealer.ID",
        (Property)"Dealer.City",
        (Property)"Dealer.State"),
    Criteria.Where(
        (Property)"CarItem.Make" == "Geo" &&
        (Property)"CarItem.Model" == "Prism" &&
        (Property)"Dealer.State" == "ND")
    Criteria.OrderBy((Property)"Dealer.Cost"));

```

FIG. 6



FIG. 7



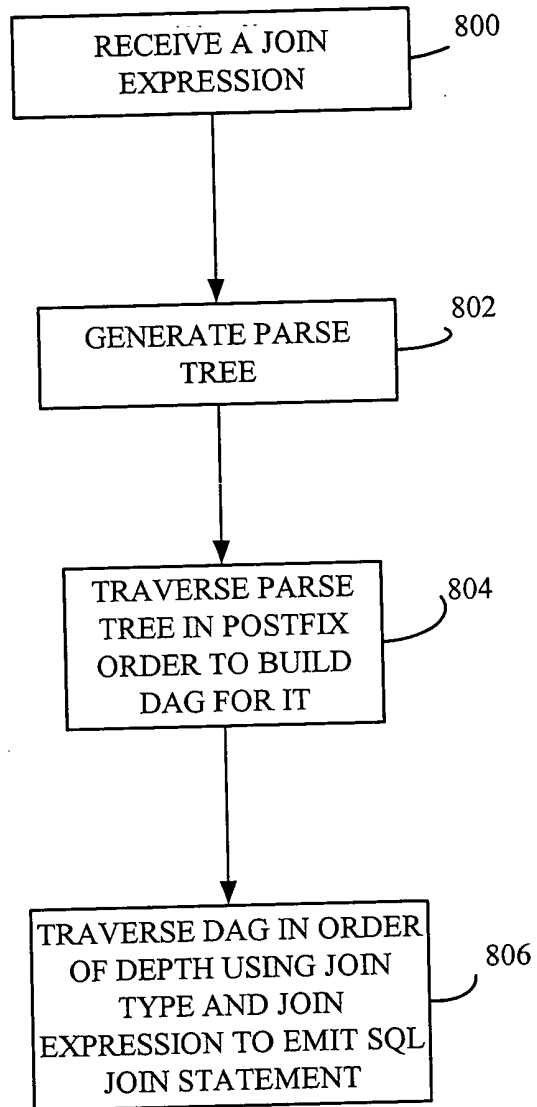


FIG. 8

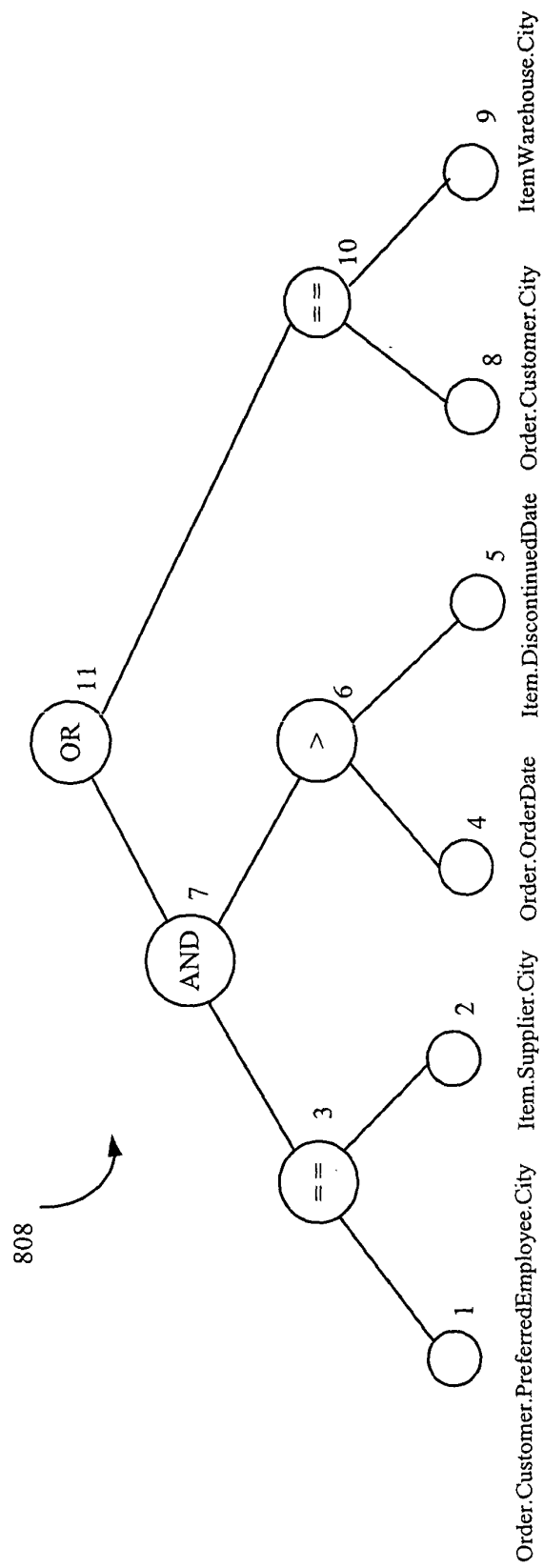
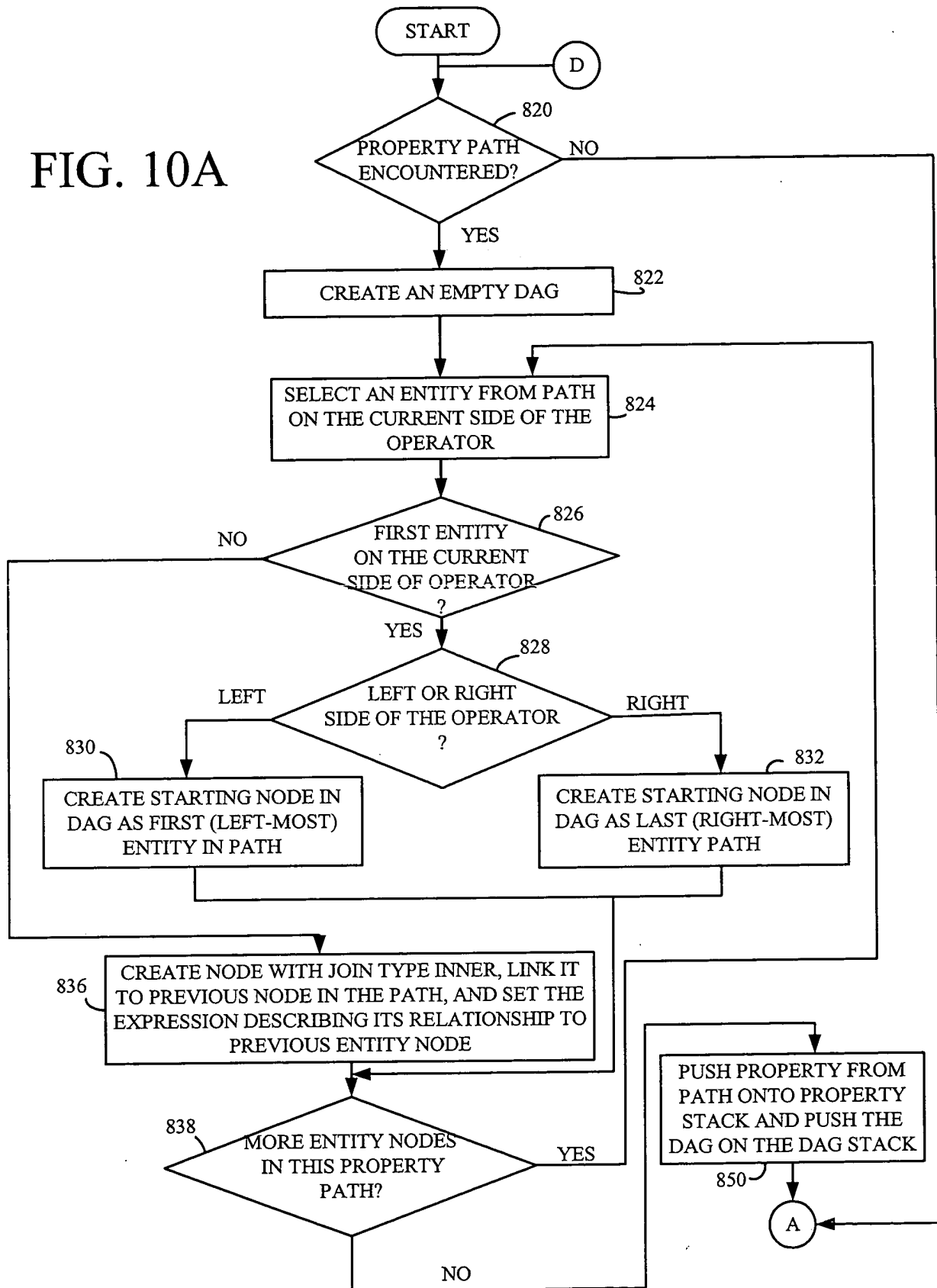


FIG. 9

FIG. 10A



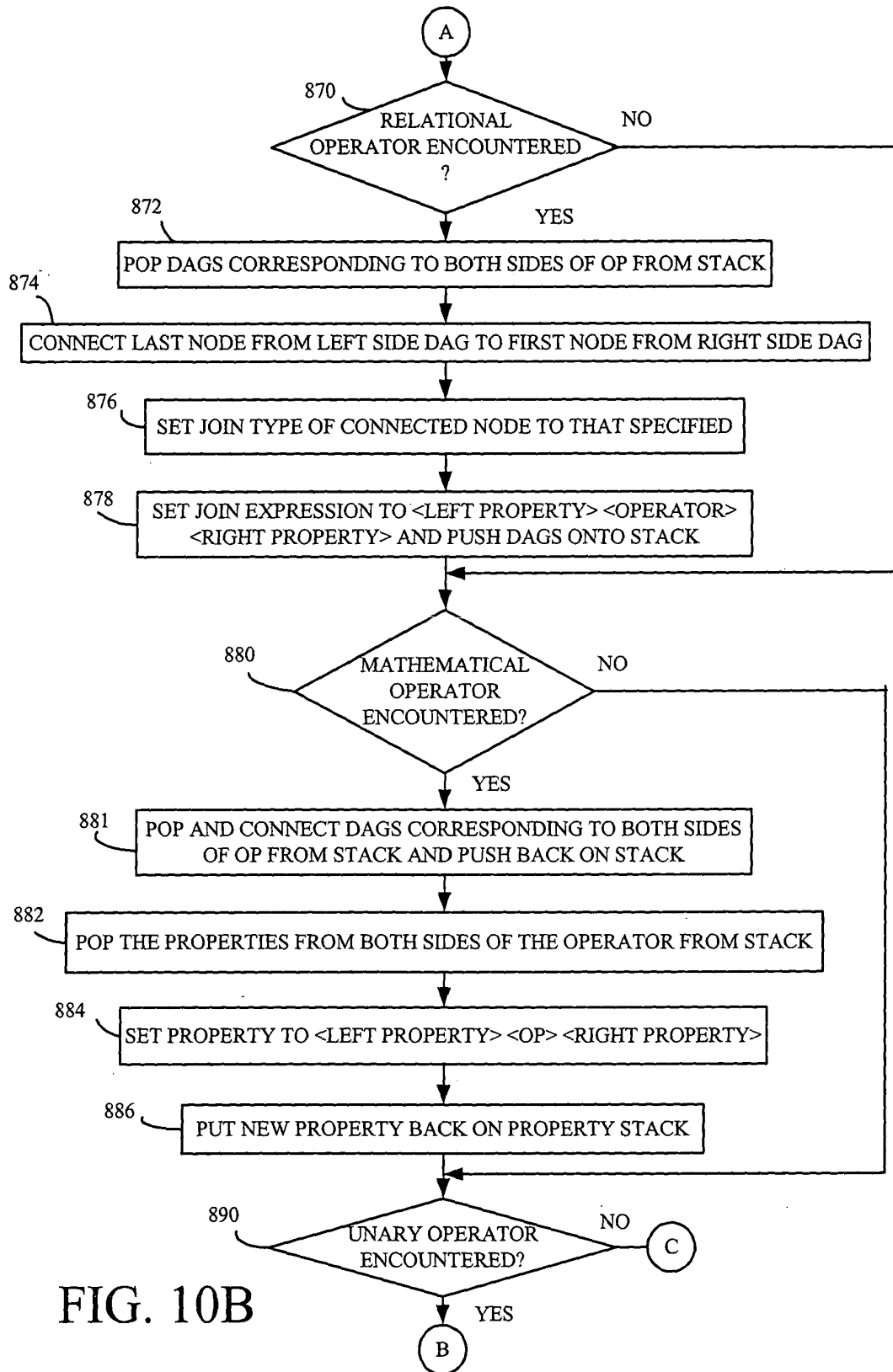


FIG. 10B

FIG. 10C-1

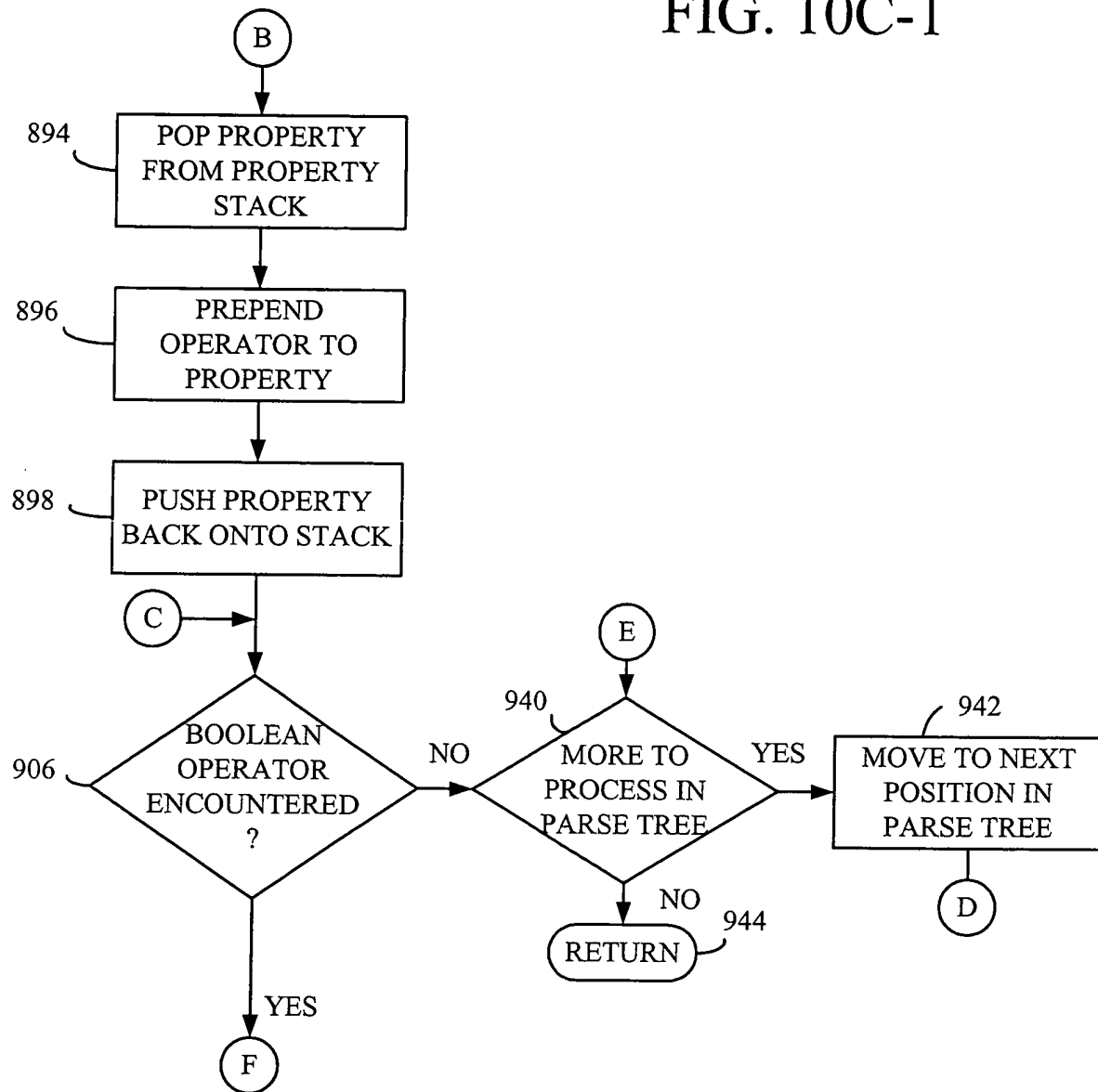
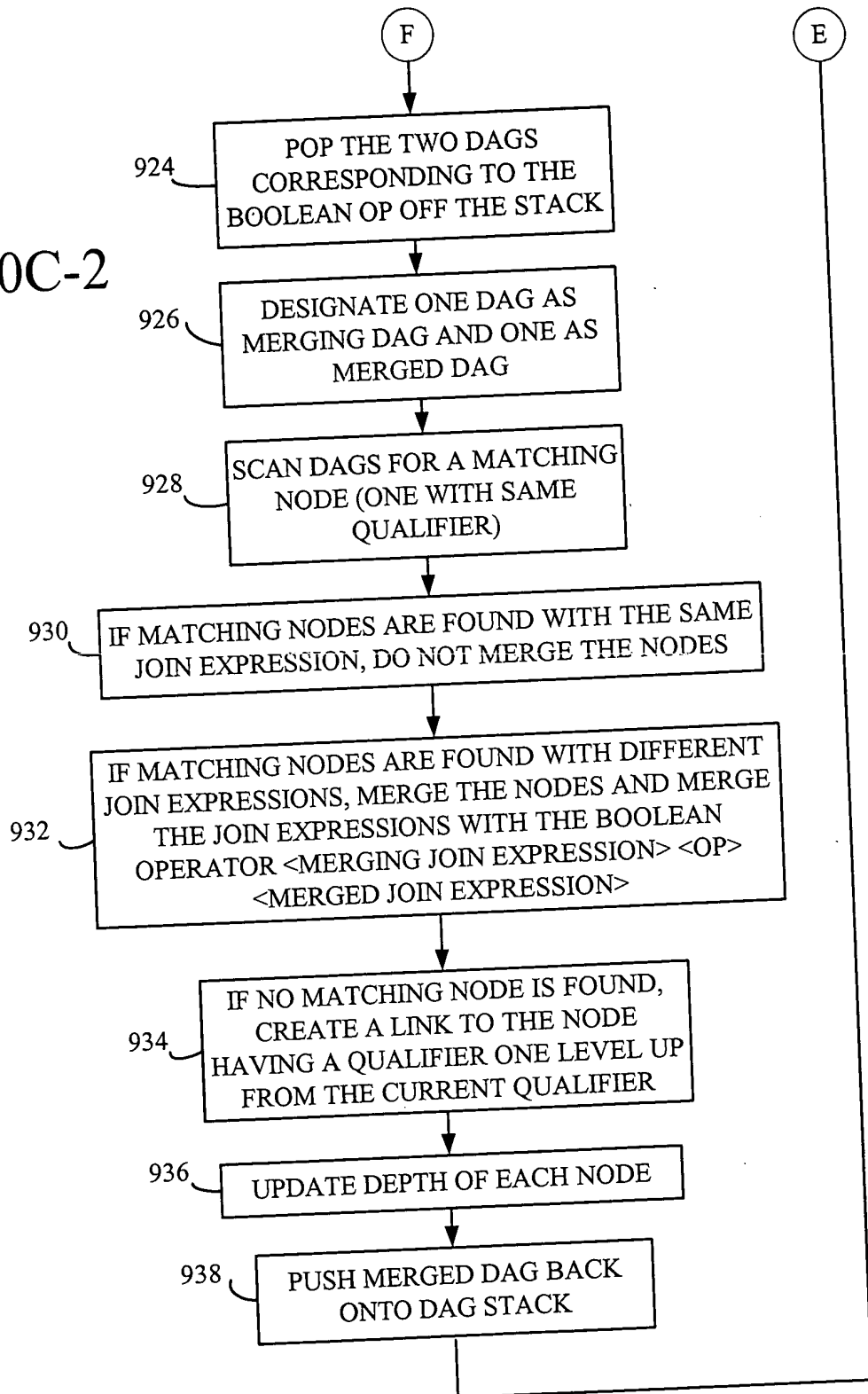


FIG. 10C-2



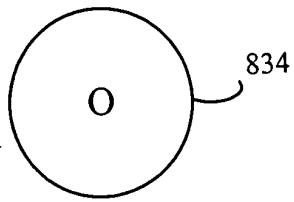
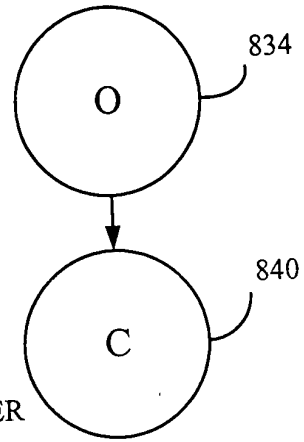


FIG. 11A



JOIN TYPE=INNER  
EXPRESSION

FIG. 11B

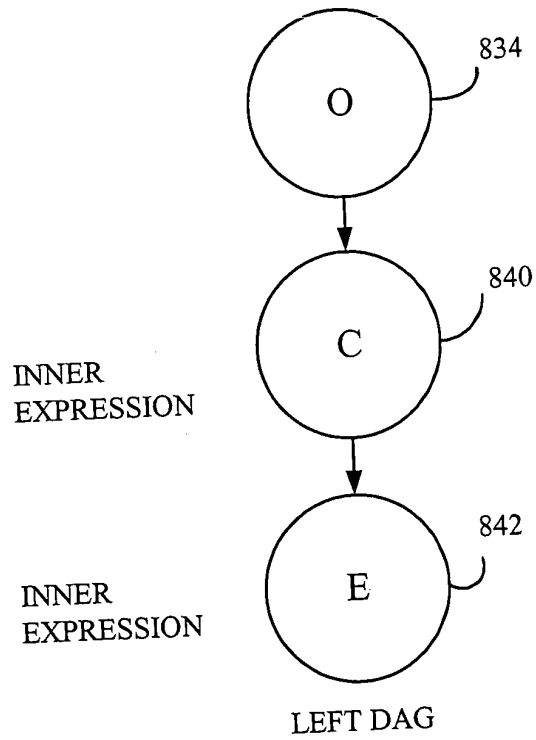


FIG. 11C



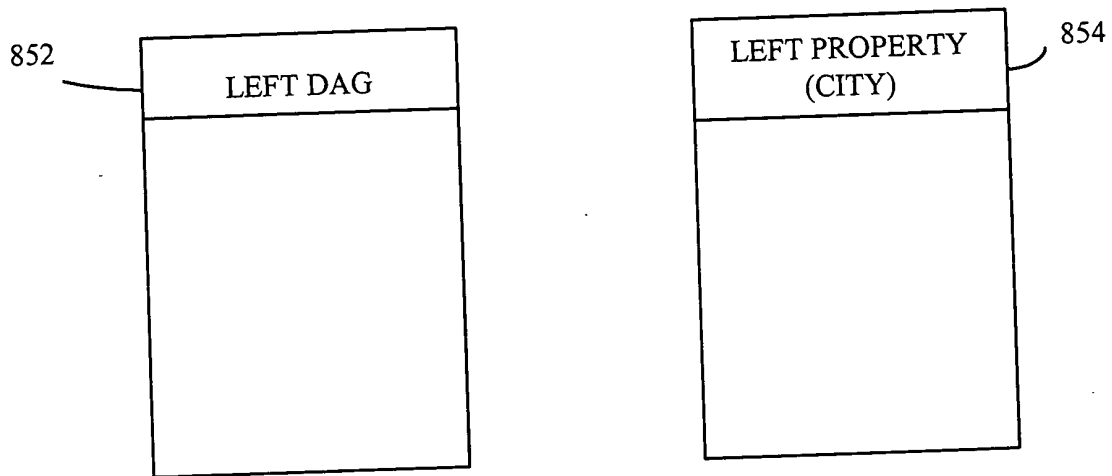


FIG. 11D

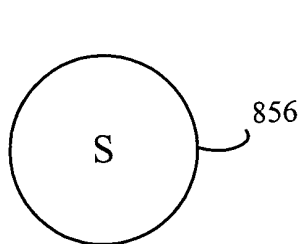
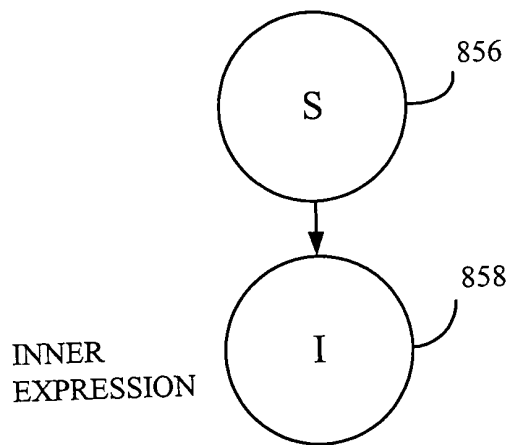


FIG. 11E



RIGHT DAG

FIG. 11F

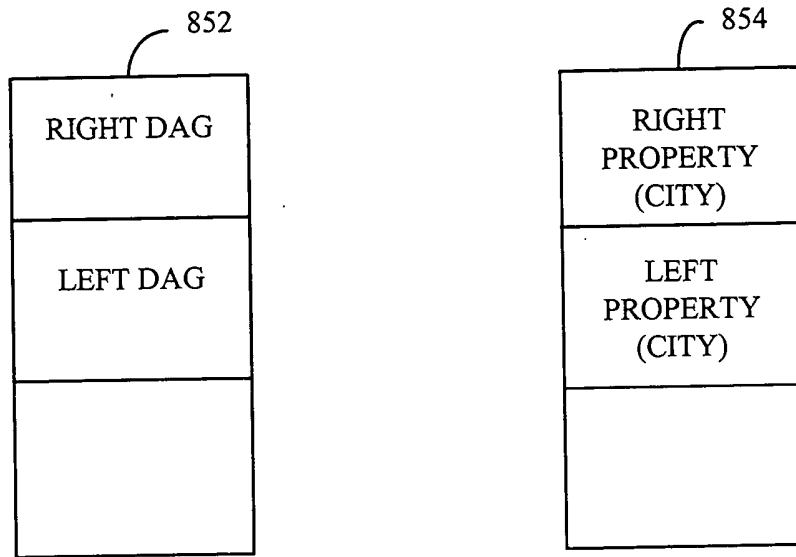
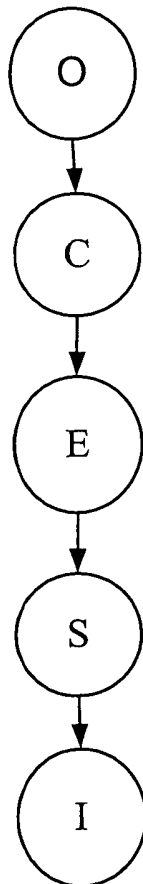


FIG. 11G

FIG. 12



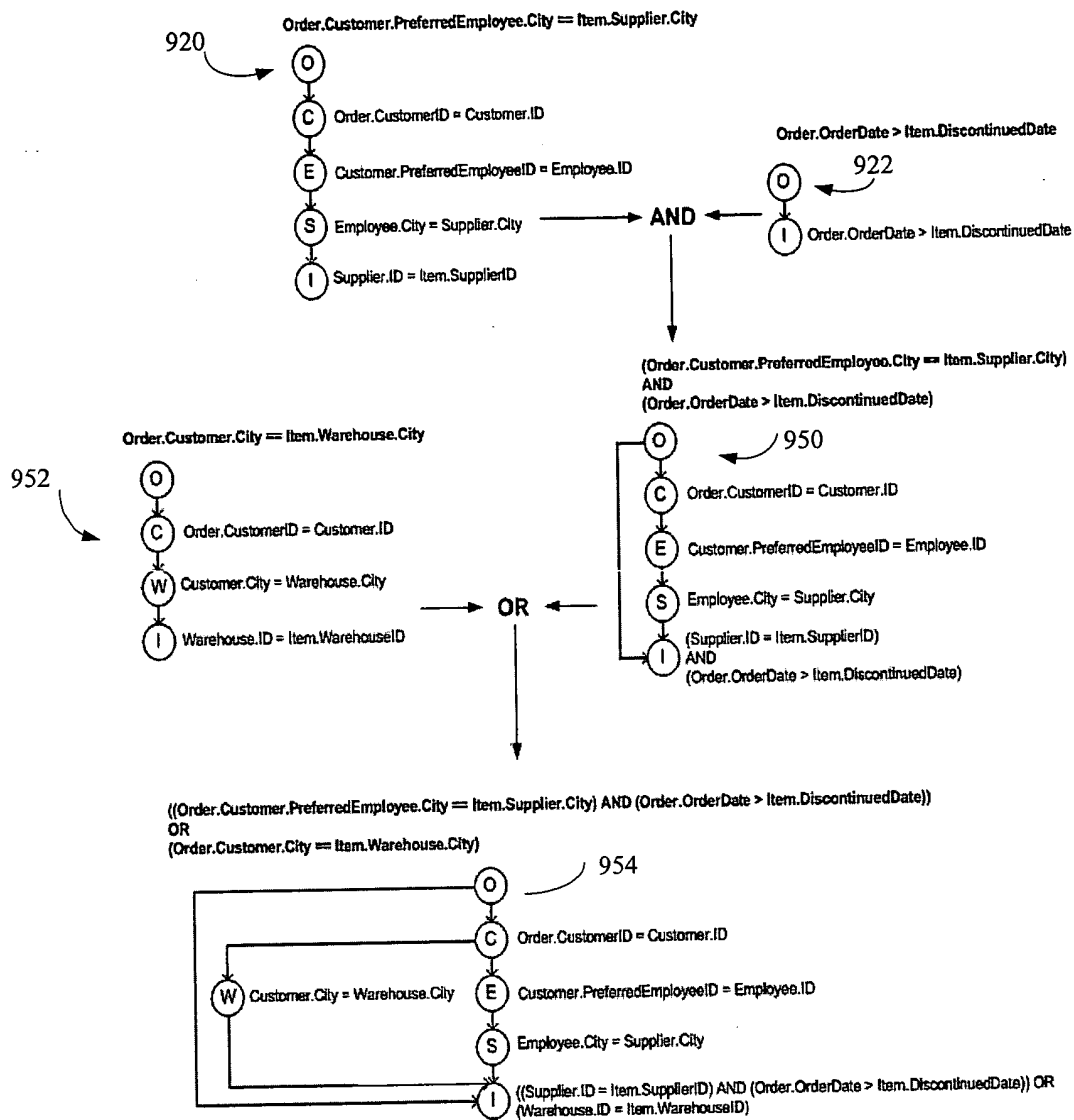


FIG. 13

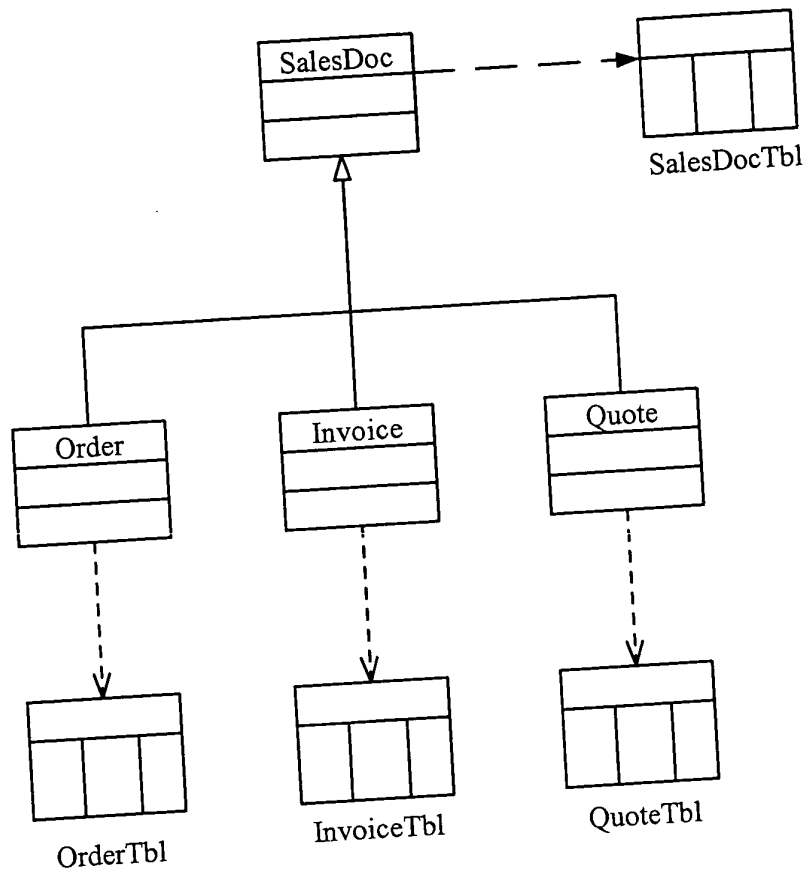


FIG. 14

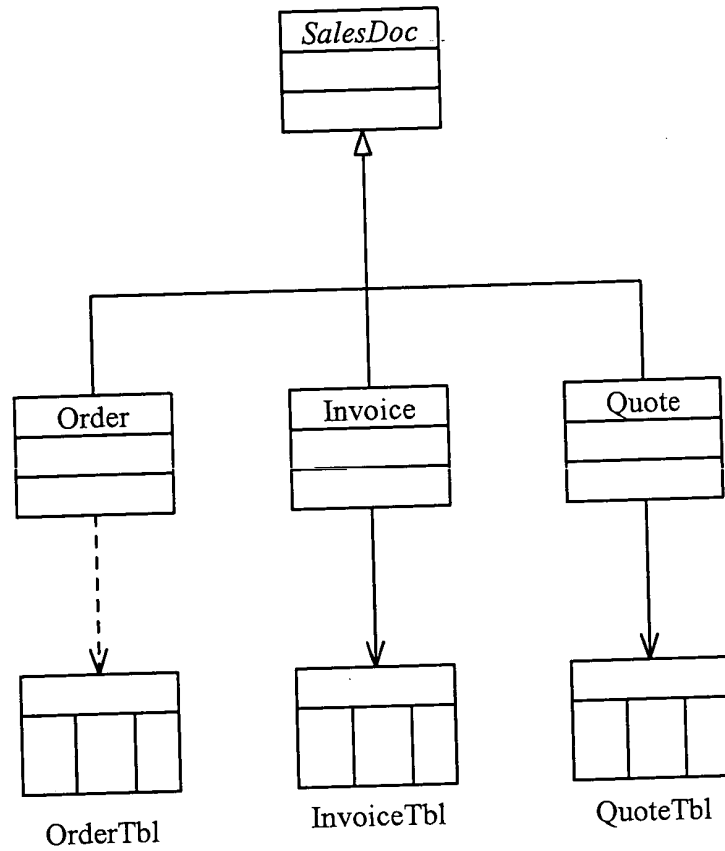


FIG. 15

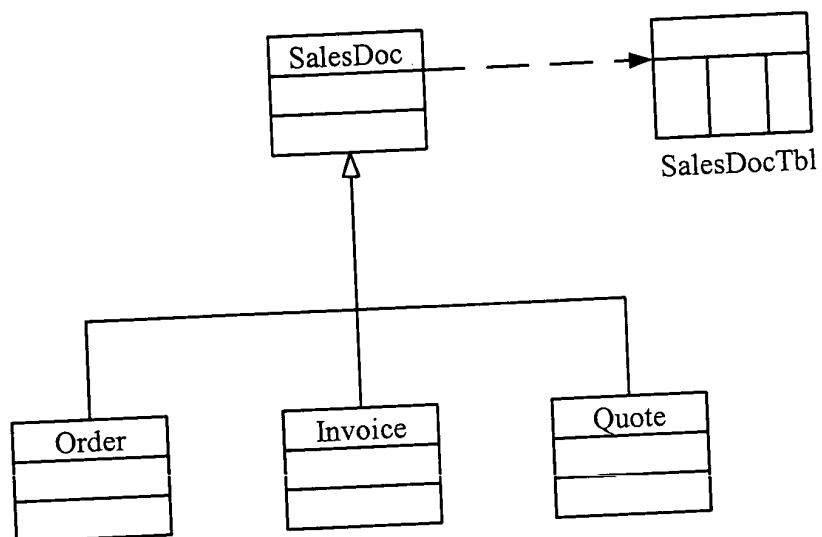


FIG. 16

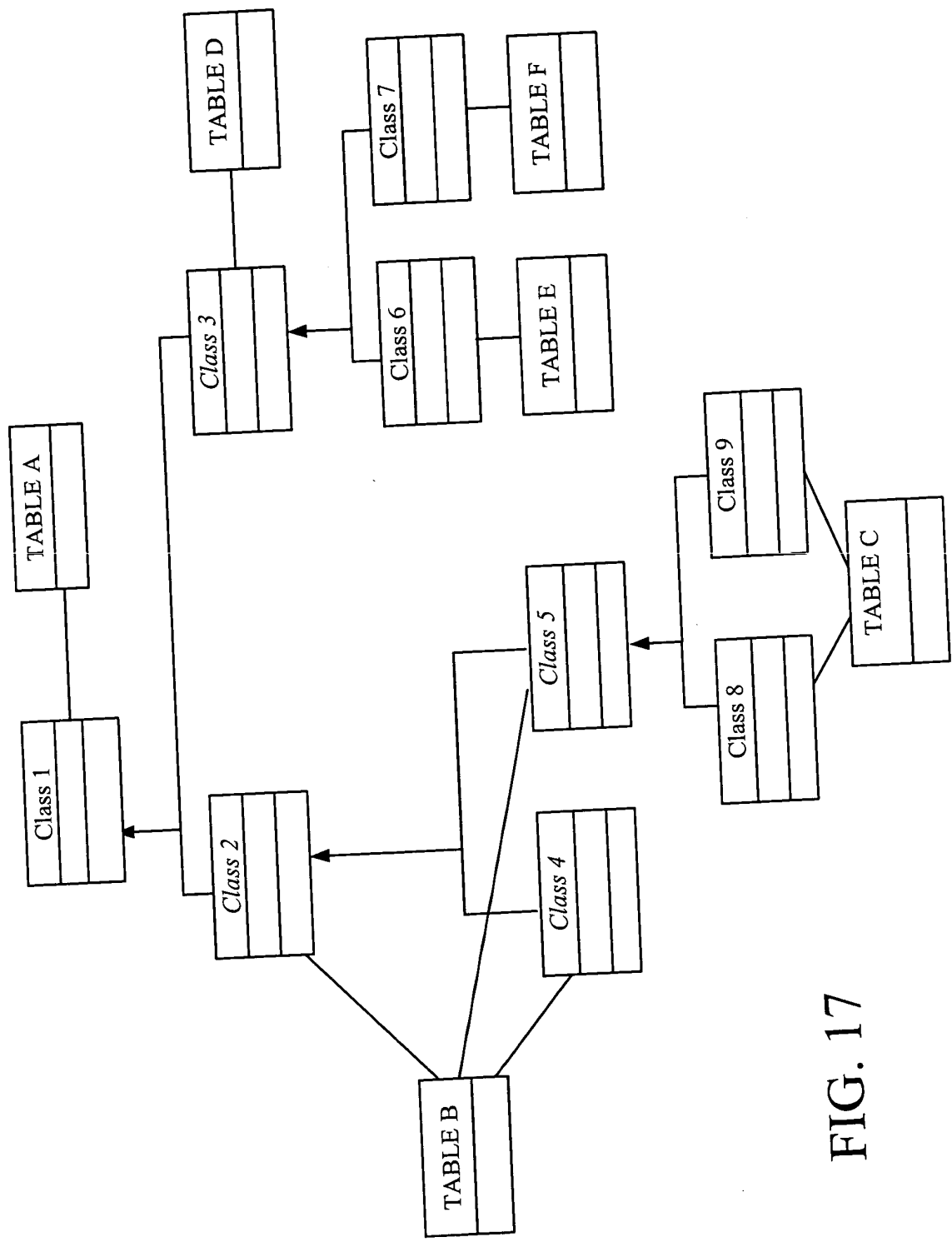


FIG. 17

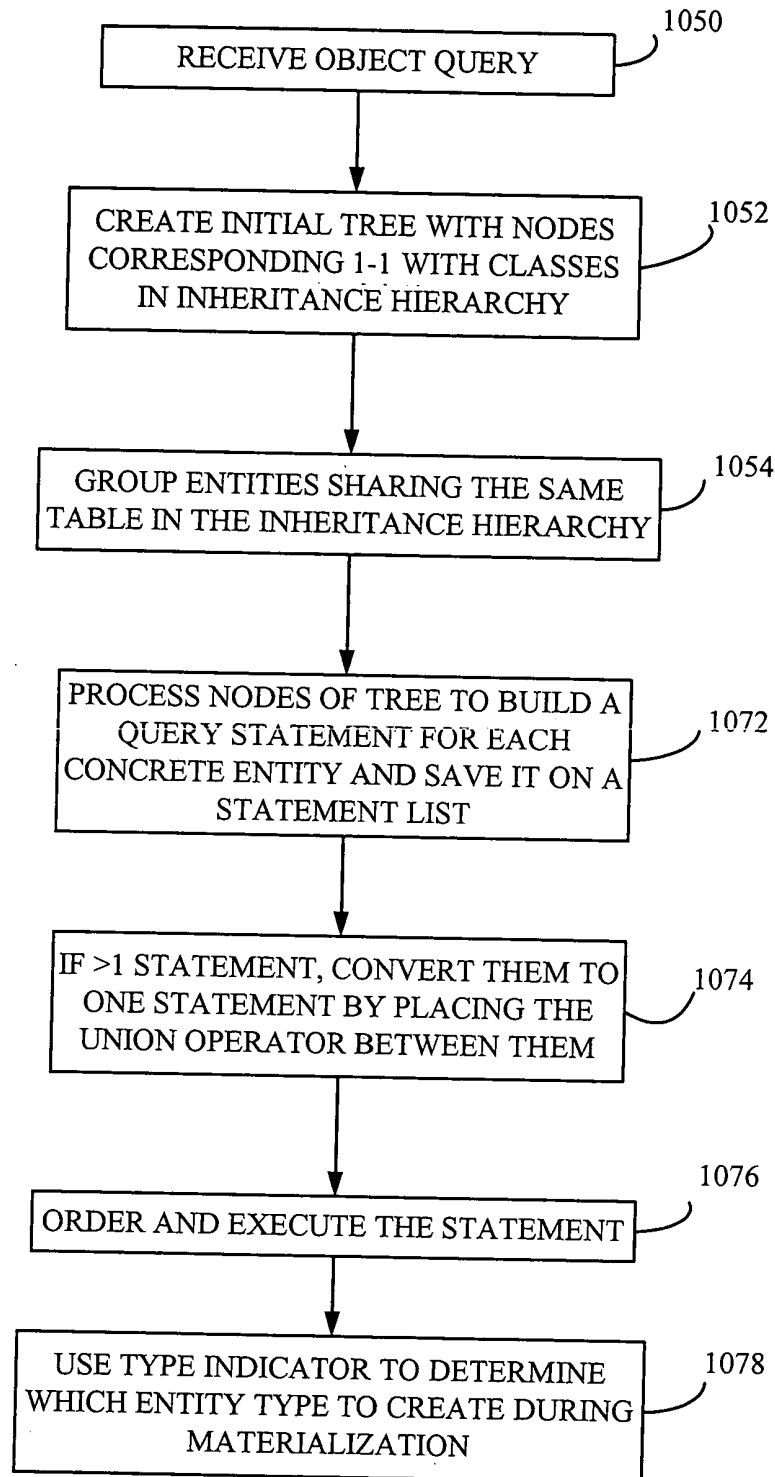


FIG. 18



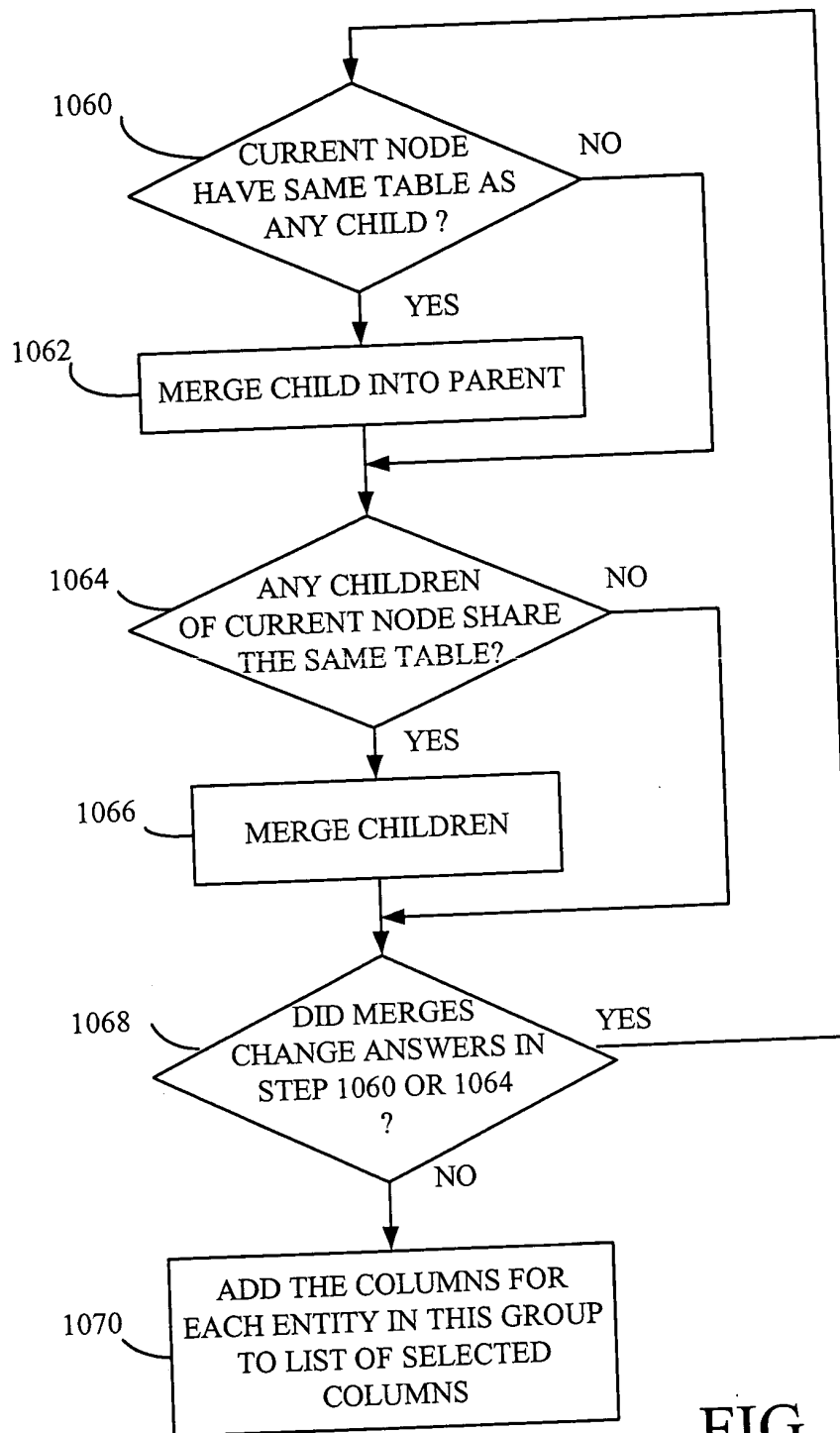


FIG. 18-1

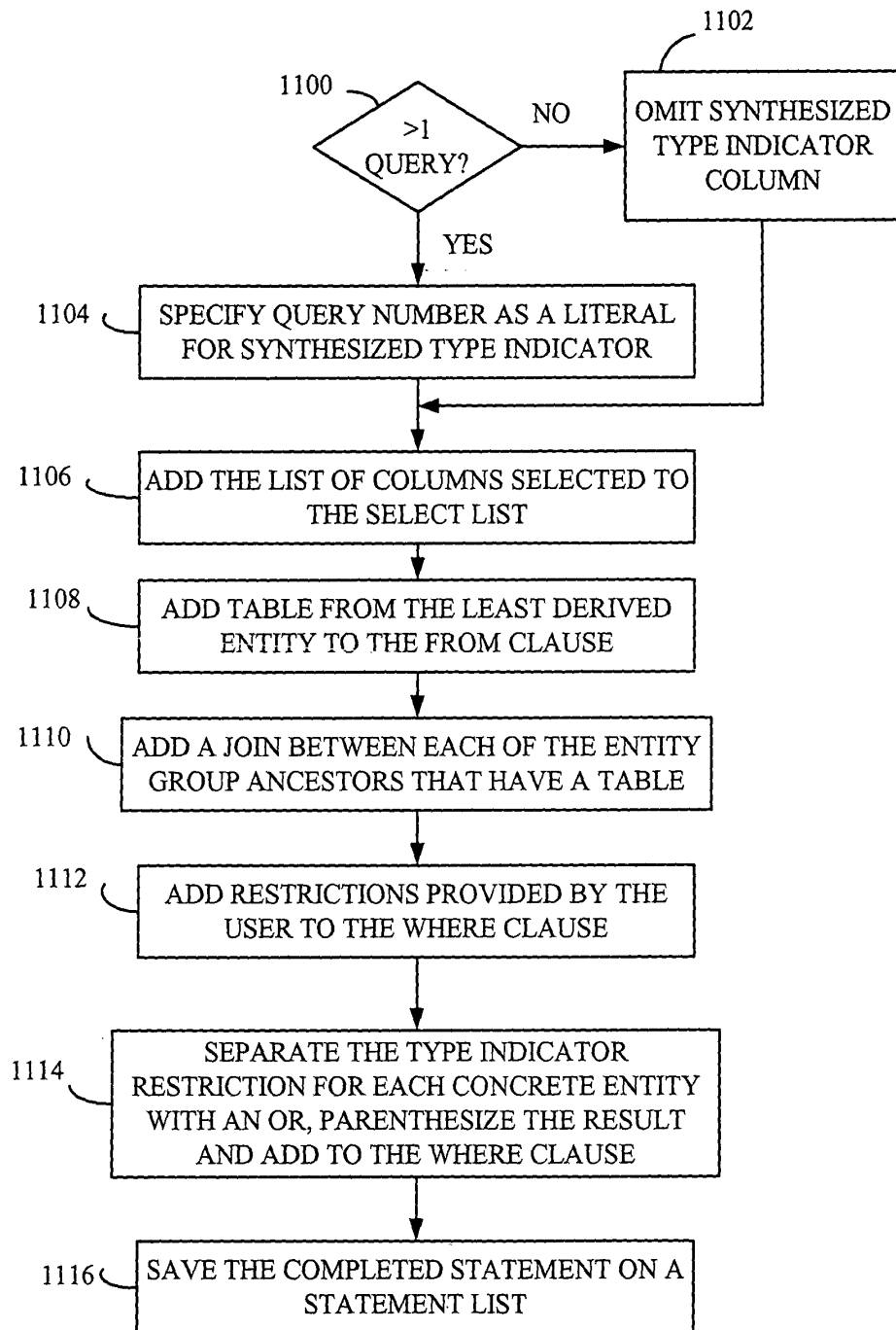


FIG. 18-2

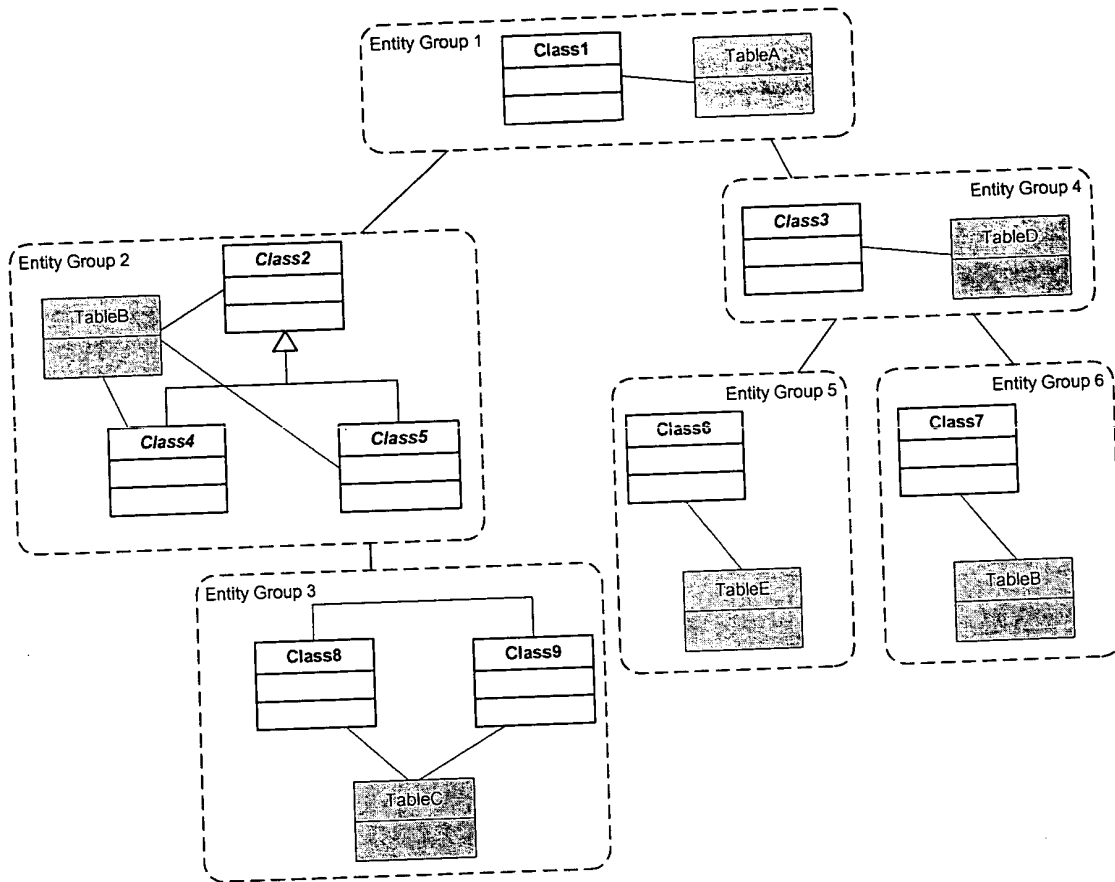


FIG. 19

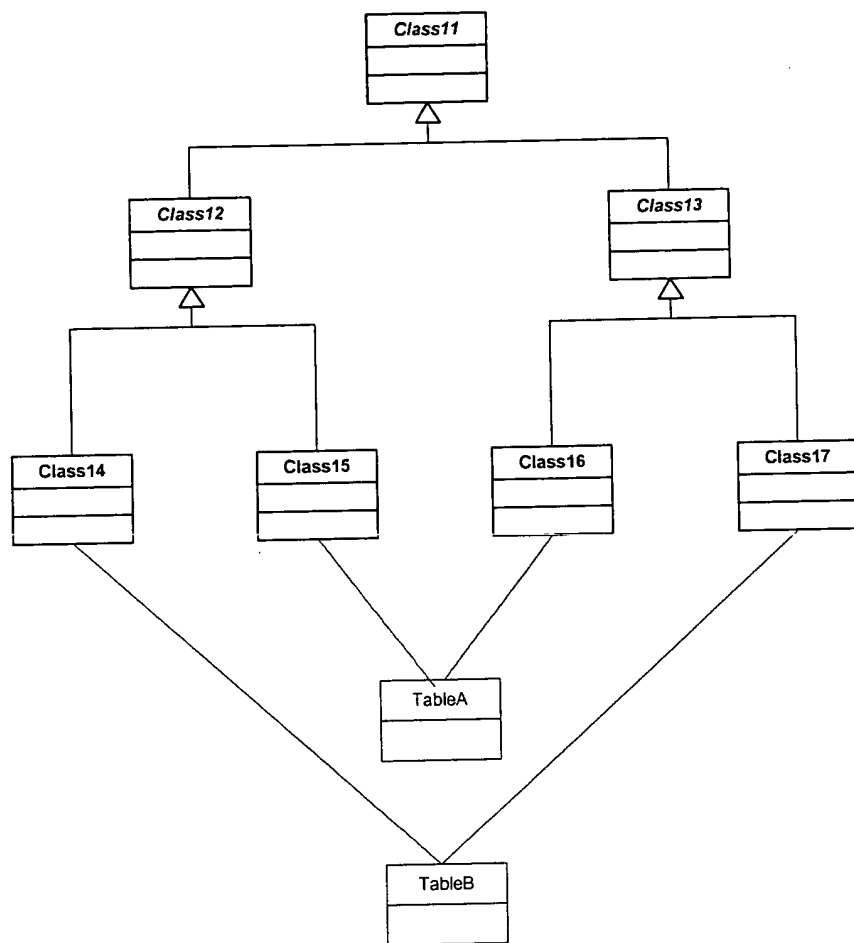


FIG. 20

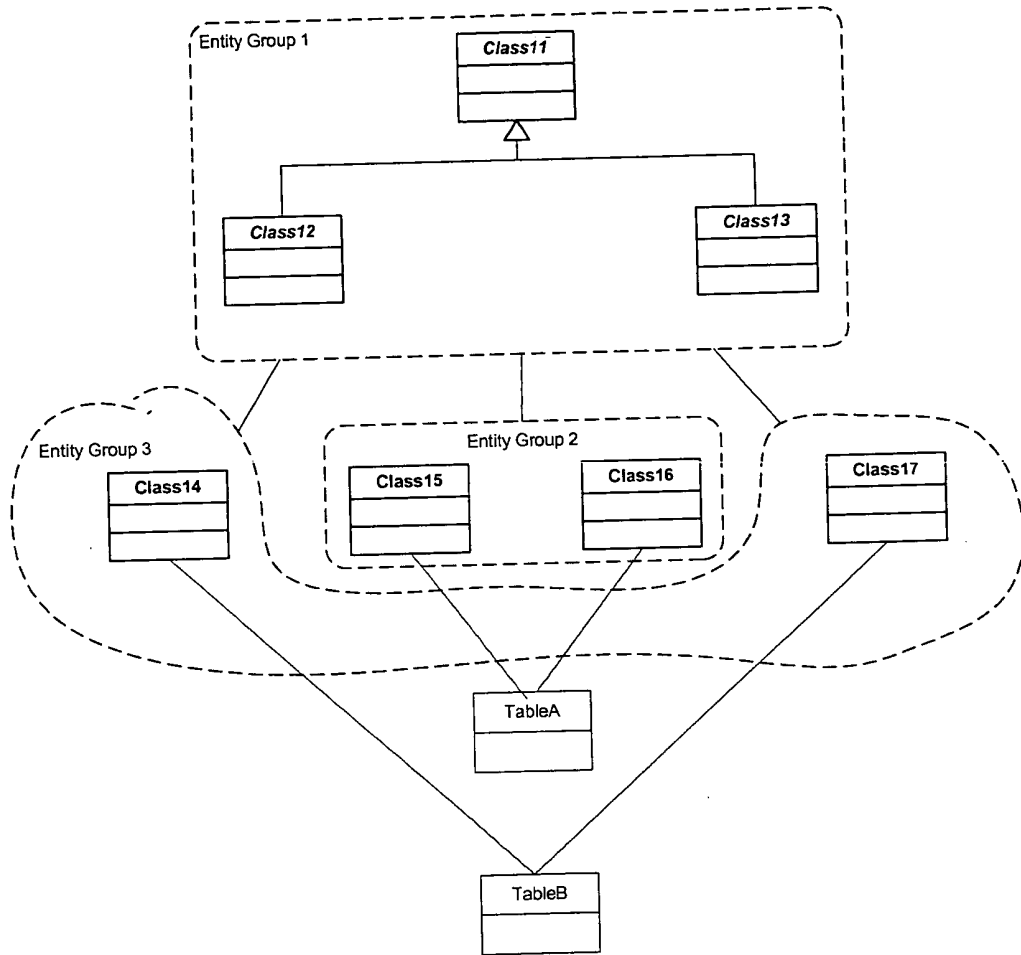


FIG. 21

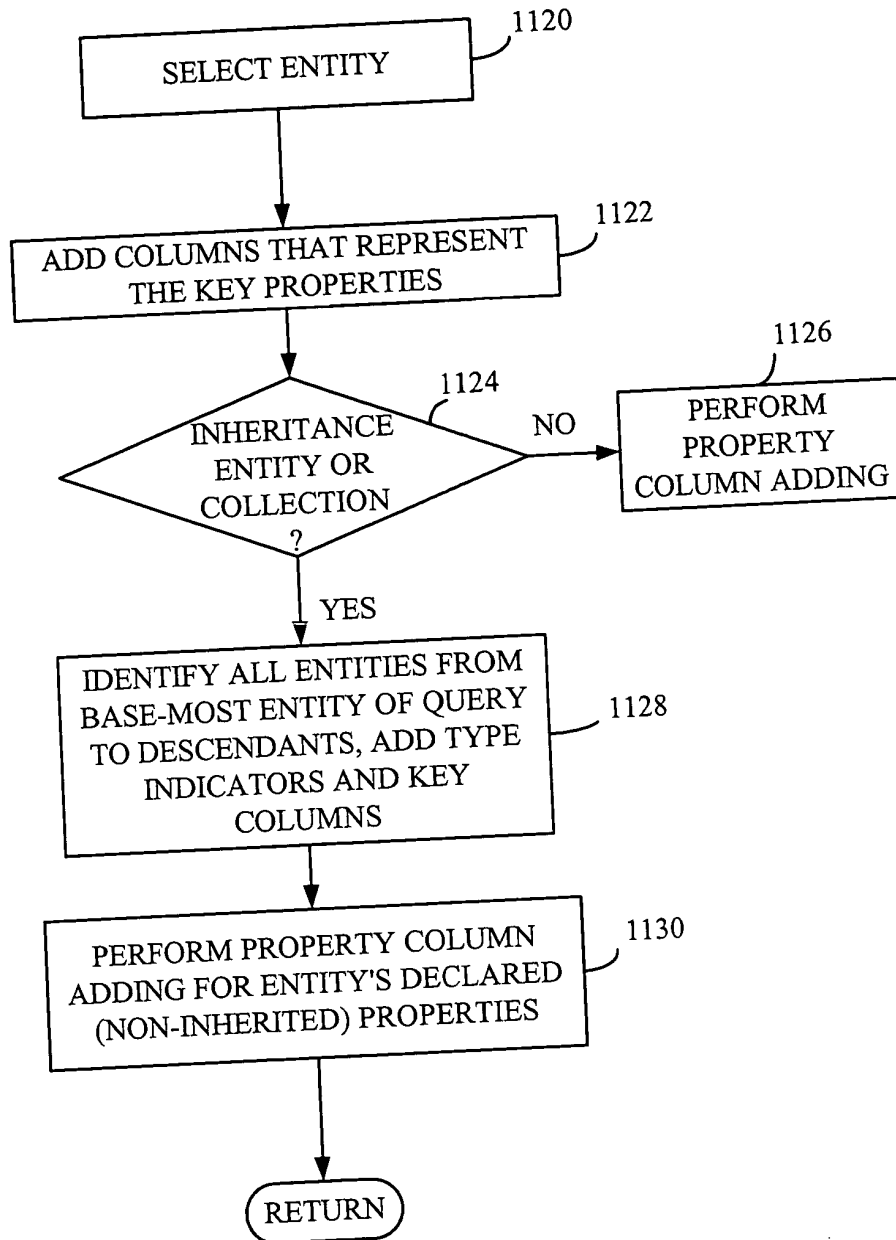


FIG. 22

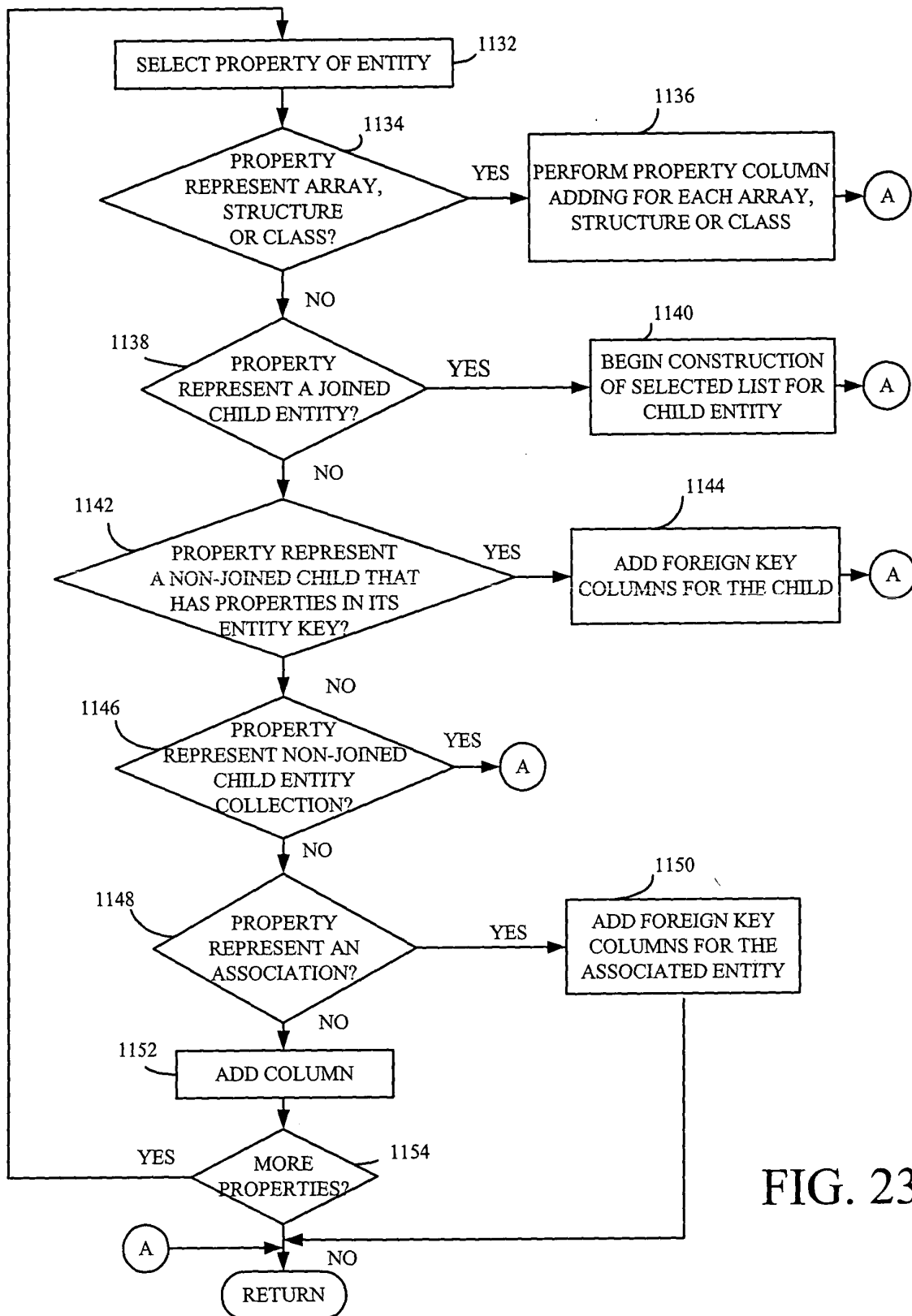


FIG. 23

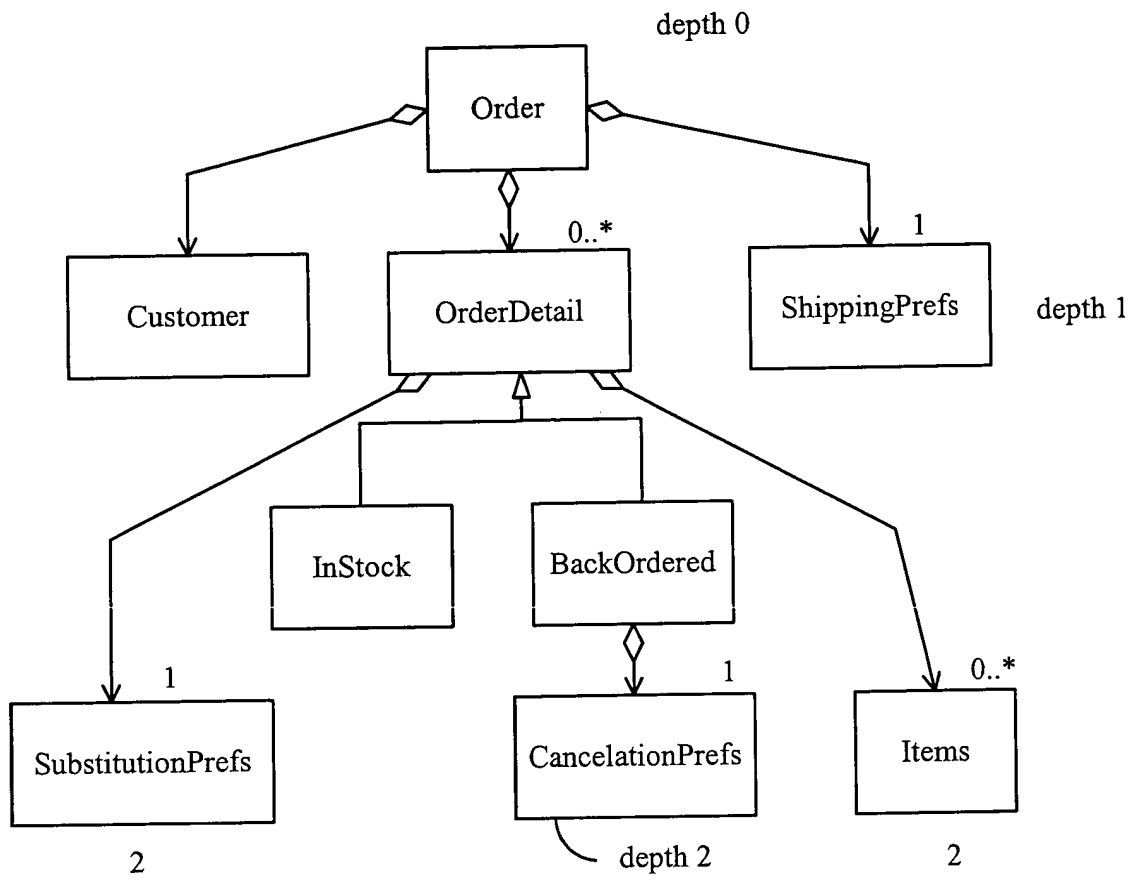
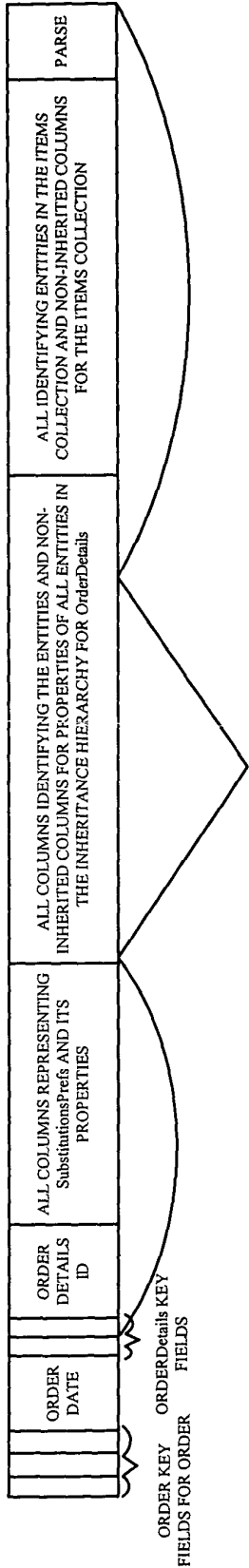


FIG. 24



1160

FIG. 25



ORDER KEY ORDERDetails KEY  
FIELDS FOR ORDER FIELDS

TAX	SUBTOTAL	TOTAL	ALL COLUMNS IDENTIFYING ShippingPrefs AND COLUMNS FOR ITS PROPERTIES
-----	----------	-------	--

CLASS ORDER {

ID  
DATE  
OrderDDetails  
Collection  
Tax  
Subtotal  
Total  
ShippingPrefs

}

FIG. 25A

CLASS OrderDetail {

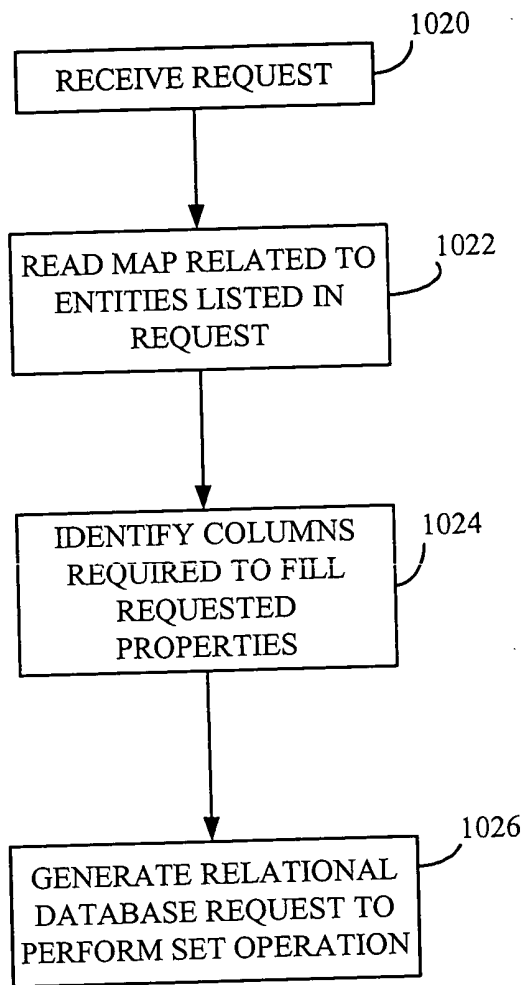
ID  
SubstitutionP  
refs  
Items  
Collection  
Misc

}

FIG. 25B



FIG. 27



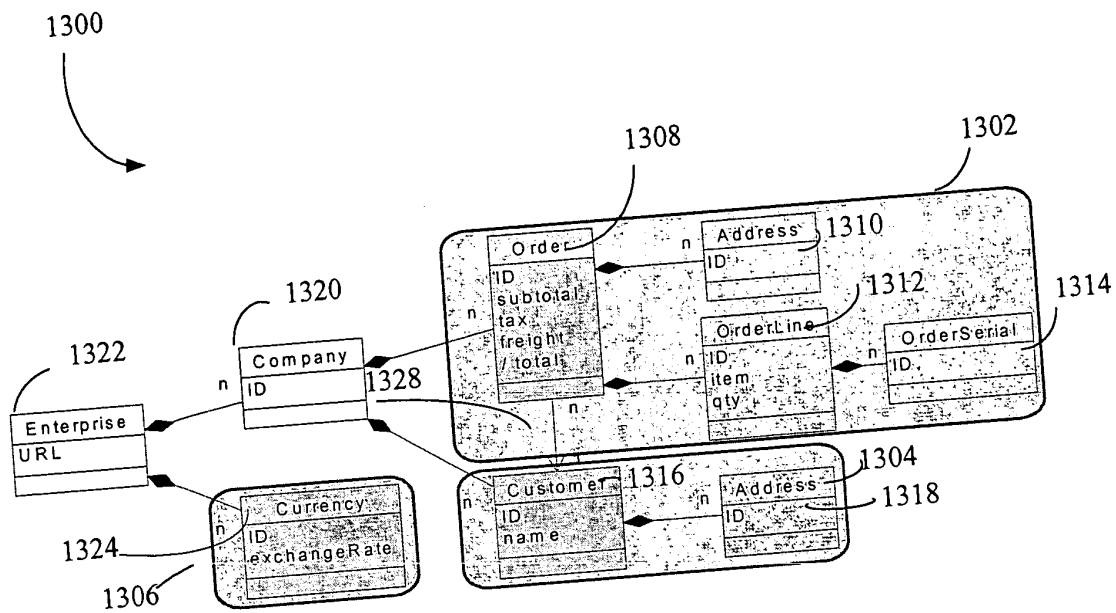


FIG. 28

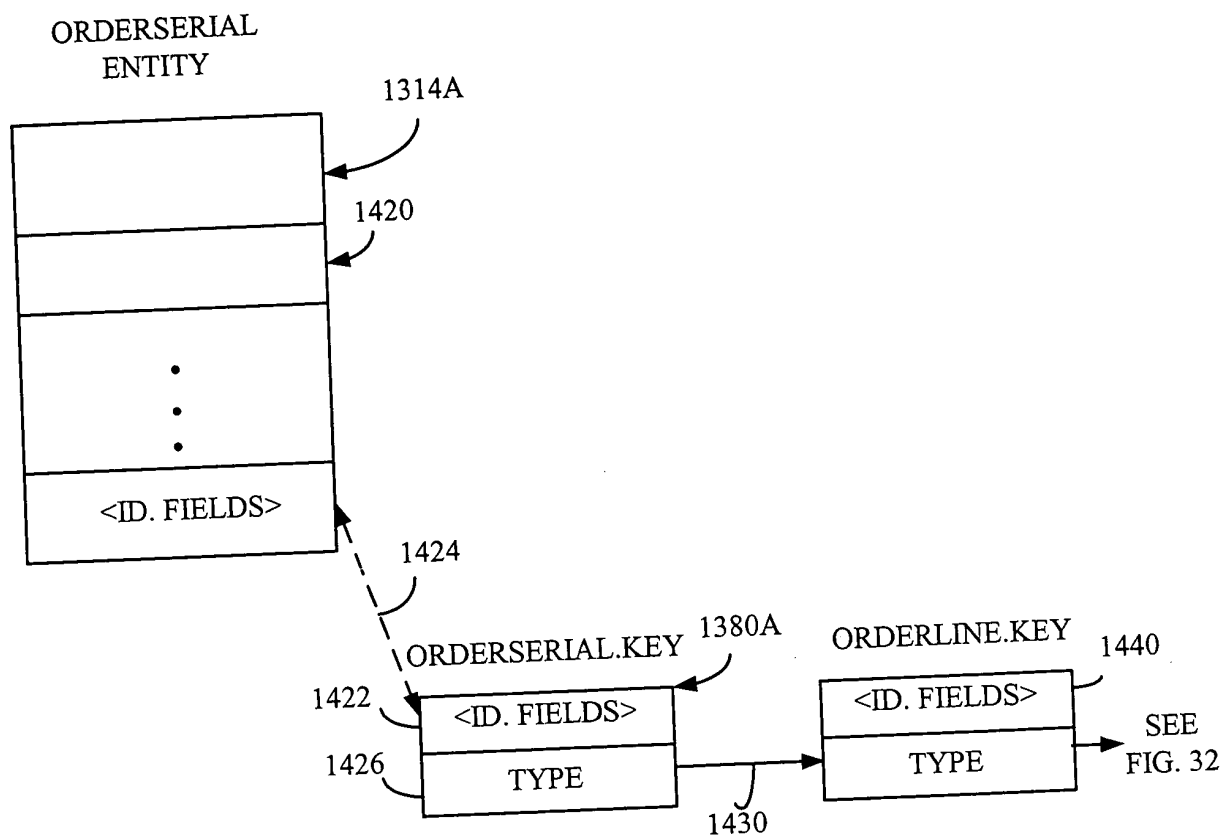


FIG. 29

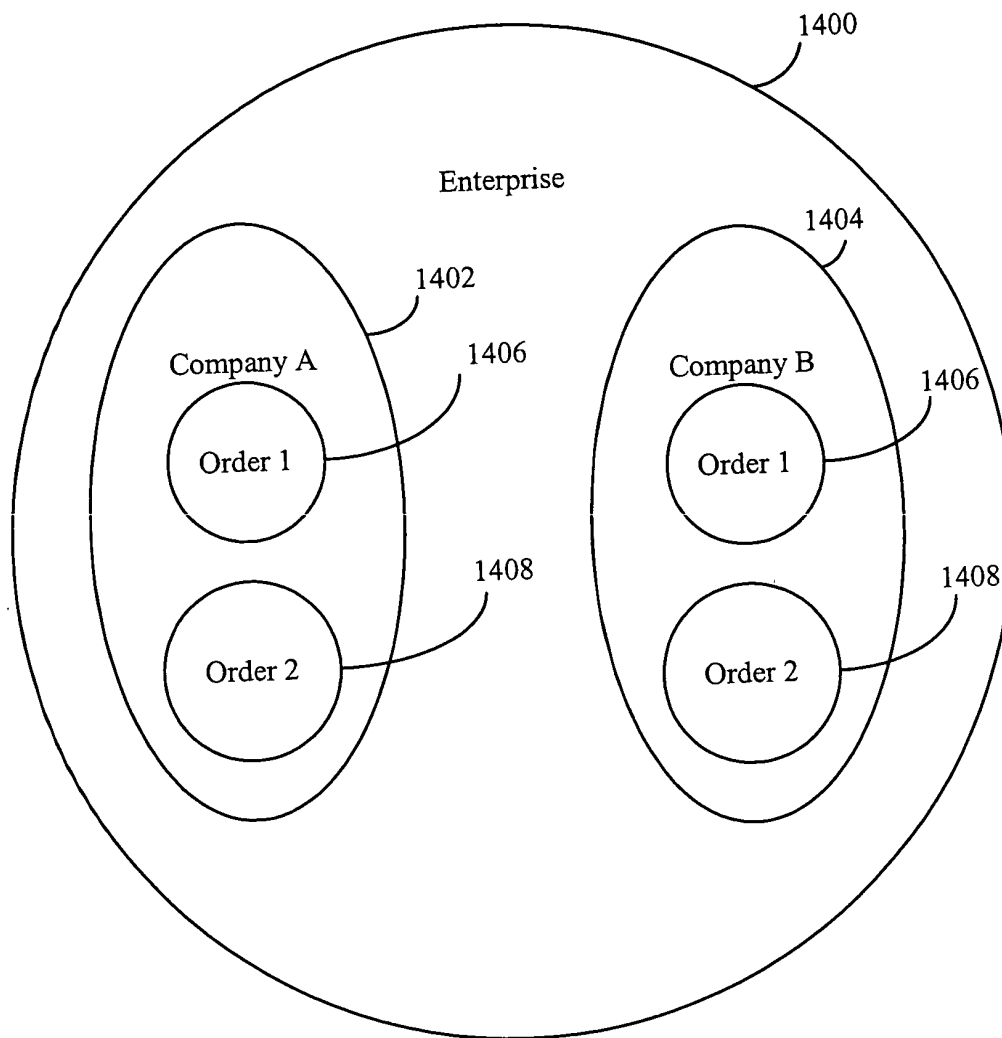


FIG. 30

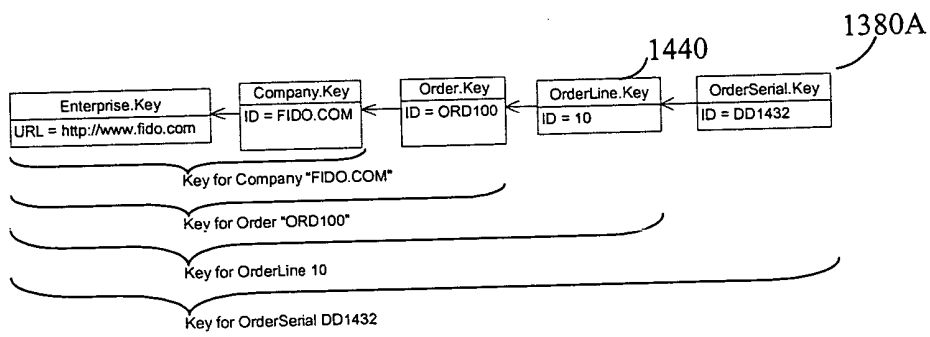


FIG. 31

1544

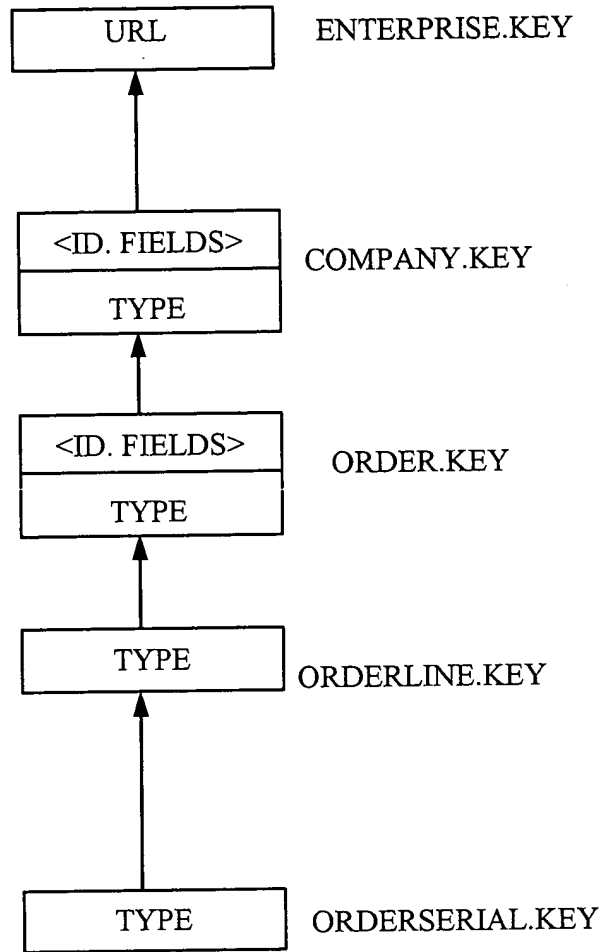


FIG. 32



1350



COMPANY_ID 1352	ORDER_ID 1354	ORDERLINE_ID 1356	SERIAL NO. 1358	OTHER COLUMNS	
• • •	• • •	• • •	• • •	• • •	• • •

FIG. 33